



SAVE THE DATE

US DOE's Wastewater Energy Optimization In-Plant Training

**Narragansett Bay Commission
Fields Point Wastewater Treatment Plant
2 Ernest Street, Providence, RI 02905**

November 5-7, 2019

Training will explore opportunities to save energy:

- **In aeration**
- **In pumping systems**
- **In treatment**

This INPLT Features:

- **Learning about energy basics**
- **Identifying low-cost or no-cost operational improvements to reduce overall energy use, energy costs, and greenhouse gas emissions**
- **Motivating employees to pursuing energy innovation**
- **Establishing culture of continuous improvement and cross-functional collaboration**
- **Sparking employee ownership of energy-saving strategies**

**THIS TRAINING WILL BE APPROVED FOR DIRECT CONTINUING EDUCATION TRAINING
HOURS FOR RHODE ISLAND WASTEWATER OPERATORS**

Contacts

Narragansett Bay Commission Key Contact: Barry Wenskowicz (401) 461-8848 x329,
BWenskowicz@narrabay.com

DOE Technical Account Manager: Paul Lemar, 703.507.5180, pll@rdcnet.com



Three-Day Wastewater Energy Management Training

This three-day class sponsored by the US Department of Energy provides training on analyzing and optimizing the energy efficiency of wastewater treatment processes. It is intended for facility supervisors, operators, O&M technicians, process control specialists, and engineering project managers. The course covers both liquid and solid stream processes, as well as auxiliary operations. Students will learn how to identify energy-saving opportunities, implement low- and no-cost operational adjustments, and develop a list of capital projects to meet long-term energy reduction goals. Course is eligible for direct continuing education training hours (21 hours) for RI wastewater treatment operators. Credit can also be given for any completed individual day (7 hours per day).

Location: Fields Point Wastewater Treatment Plant
2 Ernest Street Providence, RI 02905

Dates & Training Schedule Overview:

Tuesday, 11/5/19 Day 1 (8:00am – 3:30pm)	Wednesday 11/6/19 Day 2 (8:00am – 3:30pm)	Thursday 11/7/19 Day 3 (8:00am – 3:30pm)
<ul style="list-style-type: none"> • Energy Basics • Intro to Wastewater Tools • Aeration 	<ul style="list-style-type: none"> • Energy Basics • Aeration • State Point Analysis 	<ul style="list-style-type: none"> • Energy Basics • Primary Solids • Return and Wasting Control
<ul style="list-style-type: none"> • Pumping Systems • W3 Systems • Opportunity Register 	<ul style="list-style-type: none"> • Fans and Odor Control • Headworks • Disinfection 	<ul style="list-style-type: none"> • Thickening, Digestion and Dewatering • Ancillary Systems

Cost: Free

Lunch will be provided for participants as part of this event.

To register, fill out the information below and email to Barry Wenskowicz at BWenskowicz@narrabay.com or Paul Lemar at pll@rdcnet.com.

Three-Day Wastewater Energy Management Training

First Name: _____ **Last Name:** _____
Title: _____ **Company:** _____
Mailing Address: _____ **City/ST:** _____ **ZIP:** _____
Email: _____ **Phone:** _____

****If you have a laptop computer available please bring it with you to the training.****

Instructors

Layne McWilliams

Layne McWilliams works with water and wastewater facility owners, operators, designers, and vendors to identify energy efficiency projects. He was the original Bonneville Power Administration (BPA) Energy Smart Industrial Program's water and wastewater sector specialist and regularly trains, speaks or holds workshops for the regional WEF and AWWA sections, regulatory agencies, state Rural Water associations, and others. He regularly teaches energy efficiency courses for the various operator training schools in the region. He has led day-long introductory water and wastewater energy management courses for cohorts of rural utility customers. From 1992 through 2006, Layne worked in the design, construction, and start-up of water and wastewater treatment facilities. Since joining Cascade in 2010, he has performed scoping audits, capital project reviews, or other energy engagements with over 150 municipal and industrial wastewater facilities in the Pacific NW and Rocky Mountain regions. Mr. McWilliams received his BS in Mechanical Engineering from MIT, and his law degree from Lewis & Clark Law School. He is a registered professional engineer and a member of the Oregon bar.

Eric Wahlberg

When it comes to experience, expertise and a true passion for educating operators, no other trainer in the wastewater industry comes close to Eric Wahlberg, operator, engineer, and Ph.D. rolled up into one high-energy, dynamic presenter. His Math for Operators has been a highly attended offering at the Tri-State Conference for more than six years. The Water Environment Federation awarded Eric its 1995 Eddy Medal, given for outstanding research, its 1997 Gascoigne Medal, given for making a significant contribution to operations, and its 2007 Morgan Medal, given for making significant contributions to solving operations problems. Public Works identified Eric as a 2008 Trendsetter for the activated sludge process control and performance tests he has developed over the years. He has written and presented extensively and is a nationally renowned expert in primary and secondary clarifiers and activated sludge process control. Having worked extensively at agencies all over California for over 20 years, it is also highly likely he has first-hand knowledge of the workings of your plant.