



# Energy Efficiency & Asset Management

April 11-12, 2018

Anheuser Busch, Merrimack, NH

## Agenda - Wednesday, April 11, 2018

- 11:00 AM Registration/Lunch (provided) - Biergarten
- 12:00 PM **Welcome**  
Ray Vermette, NEWEA President-Elect  
John Rogers, Chair, Asset Management Committee
- 12:15 PM **Panel Discussion: Show Us The Money! Funding Options For Asset Management and Energy Efficiency Projects** - John Skelly, ME DEP; Luis Adorno, NH DES; Michael Murphy, MassCEC; CT DEEP; MADEP/CWT; and RI Commerce will be presented by Dan Roop, Tighe & Bond
- 1:00 PM **Keynote: Why Execution Fails and What To Do About It** - John Fortin, CH2M (now Jacobs)
- 1:45 PM Break
- 2:00 PM **Pennichuck Water — Asset Management Success Story With a Link to How Energy Use Ties into Their AM Program** - John Boisvert, Pennichuck Water
- 2:45 PM **Breakout Session**
- 4:00 PM **Anheuser Busch Tours & Networking Event** - Biergarten (safety glasses are required)
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## Agenda - Thursday, April 12, 2018

- 8:00 AM Registration/Continental Breakfast (provided) - Biergarten
- 8:30 AM **Anheuser-Busch BERS: Recovering Energy from Brewery Effluent** - Bill Dineen, Anheuser Busch
- 9:30 AM **Are You Actually Using Your Data? Going From Collection to Action to Solve Real World Problems** - Susan Guswa, Woodard & Curran
- 10:00 AM **Cost Effectively Maintaining and Rehabilitating an 80-MGD Pump Station for Energy Efficiency: There is a Lot You Can Do Without Replacing Your Assets** - Frederick Mueller, Tighe & Bond
- 10:30 AM Break
- 10:45 AM **Envisioning Smarter infrastructure investments: How Sustainability Tools Can Help Utilities Manage Assets and Operations Responsibly** - Courtney Eaton, Woodard & Curran
- 11:15 AM **Breakout Session**
- 12:15 PM Lunch (provided) - in training room
- 1:00 PM **Real Life is Too Complicated For Simple Payback - Don't Ever Use it Again** - Dennis Clough, ESG
- 1:30 PM **Maximizing Resource Recovery Through Solids and Energy Flow Modelling**  
- Catherine Moskos, ARCADIS
- 2:00 PM Break
- 2:15 PM **New Hampshire's Unique Approach To Wastewater Energy Efficiency**  
- Sharon Nall, NHDES and Mark Toussaint, Eversource
- 2:45 PM **Breakout Session**
- 4:00 PM Adjourn



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## DESCRIPTIONS OF PRESENTATIONS

### **Keynote: Why Execution Fails and What To Do About It**

John will cover the state of the industry for organizational change initiative and will introduce the participants to the success elements of his DELTA FORCE model for sustainable change as documented in his book "Why Execution Fails and What To Do About It". Presented by: John Fortin, CH2M (now Jacobs)

### **Pennichuck Water — Asset Management Success Story With A Link To How Energy Use Ties into Their AM Program**

Presented by: John Boisvert, Pennichuck Water

### **Anheuser-Busch BERS: Recovering Energy from Brewery Effluent**

Presented by: Bill Dineen, Anheuser Busch

### **Are You Actually Using Your Data? Going From Collection to Action to Solve Real World Problems**

Sue will discuss the impact of evolving data management technologies and how they are making data-driven decision making easier for small and mid-sized utilities. She will present two case studies illustrating data driven decision making and success the utilities have had in meeting their objectives. Presented by: Susan Guswa, Woodard & Curran

### **Cost Effectively Maintaining and Rehabilitating an 80-MGD Pump Station for Energy Efficiency: There is A Lot You Can Do Without Replacing Your Assets**

The Waterbury, CT WPCF four large 250-HP influent pumps were in need of rehabilitation. Since the pump station was constructed, the plant operators also recognized that the pumps appeared to have high levels of vibration, were not optimized for handling low flows at night, and needed operator intervention to start off-line pump due to air binding. Presented by: Frederick Mueller, Tighe & Bond

### **Envisioning Smarter infrastructure investments: How Sustainability Tools Can Help Utilities Manage Assets and Operations Responsibly**

Utilities across the country are embracing sustainability as a guiding principle to holistically manage all facets of their water and wastewater programs. This presentation will show why and how many utilities are embracing sustainable thinking to guide their asset management decisions and will provide an overview and comparison of two leading tools—EPA's Effective Utility Management (EUM) and ISI's Envision—that can help utilities of any size integrate sustainable thinking into their operations. Presented by: Courtney Eaton, Woodard & Curran

### **Real Life is Too Complicated For "Simple Payback". Don't Ever Use it Again**

When a utility evaluates whether or not a capital investment is worth completing, simple payback is often a criteria used. The problem with this is that simple payback as the criteria is, at best, subjective and arbitrary. So what to do instead. Presented by: Dennis Clough, ESG

### **Maximizing Resource Recovery Through Solids and Energy Flow Modelling**

This presentation will describe a flow model that has been developed to help utilities tackle complex questions in pursuit of enhanced resource recovery and energy neutrality. This flow model has aided decision making at multiple utilities nationwide, including Wards Island, NY, and Evansville IN - each of which are taking steps to advance their operations to move towards a comprehensive strategy for biosolids and energy management. Presented by: Catherine Moskos, ARCADIS

### **New Hampshire's Unique Approach To Wastewater Energy Efficiency**

Presented by: Sharon Nall, NHDES and Mark Toussaint, Eversource

**TRAINING CONTACT HOURS (TCHs)** will be awarded for operator recertification for participating states. If you need TCHs, please sign-up **when you leave each day** (see the registration desk). Certificates will be emailed to attendees following the conference.

**PROCEEDINGS:** In an effort to reduce/reuse/recycle, copies of today's presentations will be posted on the NEWEA website. Attendees will be notified via email when the presentations are available online.

This specialty conference was hosted by NEWEA's Energy & Asset Management Committees. We thank you for making this event successful.