



Spring Conference ★ April 20-21, 2017
NNECERAPPA
 Hosted by Bates College ★ Lewiston, Maine

Please join other facilities professionals on Thursday and Friday, April 20 & 21 for the 2017 Conference at Bates College in Lewiston, Maine. The program theme is *Spring – Planting Bright Ideas* and we're looking forward to creating an informative and worthwhile experience for all participants. The agenda will feature topics of vital interest to facilities professionals and there will be ample opportunities for networking and socializing.

KEY REASONS TO ATTEND:

- LEARN.** Attend educational sessions to acquire valuable, job-specific knowledge.
- ENGAGE.** Visit business partners during dedicated break time, to gather information on products and services that will benefit your institution.
- NETWORK.** Expand your network for career development, professional collaboration and new friendships!
- VALUE.** A comprehensive professional development opportunity.

LODGING: A low cost room block has been set aside at these two nearby hotels:

Hampton Inn Lewiston-Auburn
 115 Lincoln Street, Lewiston, ME

Special Rate: \$109/night, plus tax — available until Tuesday, March 21, 2017, unless previously sold out. To make a reservation call (207) 344-1000 or go to the NNECERAPPA website and reserve online.

Hilton Garden Inn Auburn Riverwatch
 14 Great Falls Plaza, Auburn, ME

Special Rate: \$119/night, plus tax. To make a reservation call (207) 784-4433 or go to the NNECERAPPA website and reserve online.

EARLY BIRD CAMPUS TOURS

TOUR 1: CHU AND KALPERIS HALLS

This guided tour will explore Bates' newest buildings. These structures serve as home to over 240 students, as well as the College Store and Post & Print operations. The tour will highlight unique features and the many types of flexible spaces designed to enhance students' academic and residential life. We will also look at behind the scenes spaces and operational aspects of the buildings. (20 people max.)

TOUR 2: CENTRAL BOILER PLANT (RENEWABLE FUEL OIL)

This guided tour will highlight Bates' recent conversion of one boiler in the steam plant to burn a biofuel called Renewable Fuel Oil (RFO). This fuel is produced from waste wood. It is fairly acidic, so to convert a boiler to use this fuel required installation of a stainless steel storage tank, piping and a new burner. It also must be heated and pressurized to burn properly, similar to #4 oil. The tour will review the various components involved with this conversion. (30 people max.)

SCHEDULE AT-A-GLANCE

THURSDAY, April 20, 2017

7:00 a.m. – 10:00 a.m.	Business Partner Set-Up
8:00 a.m. – 5:00 p.m.	Registration Desk Open
9:30 a.m. – 11:00 a.m.	Early Bird Campus Tours Tour 1: Chu and Kalperis Halls Tour 2: Central Boiler Plant (Renewable Fuel Oil)
10:00 a.m.	Business Partner Exhibit Area Opens
11:00 a.m. – 11:30 a.m.	NNECERAPPA 101: Welcome Meeting for "First-Time" Attendees
12:00 p.m. – 1:15 p.m.	Opening Luncheon and Welcome Remarks
1:30 p.m. – 2:45 p.m.	Concurrent Sessions — Session 1
2:45 p.m. – 3:30 p.m.	Refreshment Break with Exhibitors
3:30 p.m. – 4:45 p.m.	Concurrent Sessions — Session 2
4:45 p.m. – 6:00 p.m.	Time on Own & Check-in to Hotel
6:00 p.m. – 7:00 p.m.	Networking Reception <i>Transportation provided to and from hotel.</i>
7:00 p.m. – 9:00 p.m.	Banquet & Business Meeting
9:30 p.m. – 11:00 p.m.	After Party with entertainment by Jessi and the Cruisers

FRIDAY, APRIL 21, 2017

7:00 a.m. – 8:15 a.m.	Breakfast Buffet with Exhibitors
8:00 a.m. – 12:00 p.m.	Conference Registration Desk Open
8:30 a.m. – 9:45 a.m.	Concurrent Sessions — Session 3
9:45 a.m. – 10:15 a.m.	Refreshment Break with Exhibitors
10:30 a.m.	Exhibitor Area Closes
10:30 a.m. – 11:45 a.m.	Concurrent Sessions — Session 4
12:00 p.m. – 12:45 p.m.	Closing Buffet Luncheon and Raffle Drawing
12:45 p.m.	Conference Adjourns

Thank you to our sponsors!



EDUCATIONAL GRID Concurrent Session Schedule

TRACK I: ENERGY/SUSTAINABILITY

TRACK II: GROUNDS/CUSTODIAL

TRACK III: CAPITAL CONSTRUCTION & MAINTENANCE

TRACK IV: GRAB BAG/ SAFETY & SECURITY

THURSDAY, APRIL 20, 2017

SESSION 1 1:30 p.m. - 2:45 p.m.

Renewable Fuel Oil

Gregory Gosselin, ENSYN Fuels;
John Rasmussen, Bates College

Reducing the campus carbon footprint is a major component of Bates' sustainability plan. The central steam plant consists of three 700-HP Cleaver Brooks fire-tube boilers capable of burning #2 oil or natural gas. It provides steam for space heating and domestic hot water to 27 buildings, 1.1 million square feet. It is the major source of carbon emissions for the College, and a prime target for the use of alternative fuels. Working with Ensyn Fuels, Bates has converted one of its boilers to burn RFO (renewable fuel oil), a biofuel made from wood waste. Carbon emissions have been reduced by over 3,000 MTCDE. This session will review the history of this fuel and the challenges of converting a boiler to burn this fuel, which has a PH of 2.5-3.0 and water content of 25%.

Organics in Grounds Maintenance: A Systems Approach to Natural Turf Management

Chip Osborne, Osborne Organics

This session will explain the Systems Approach needed to begin to implement Natural Turf Management protocols on municipal and institutional turf. We will explore the idea of what natural turf and landscape management is and how we approach developing overall protocols to carry out these concepts. It is important to be aware of what is driving this growing interest in alternative management strategies. Natural management is solution oriented with the goal of creating and maintaining high quality landscapes that are both appropriately functional and aesthetically pleasing. This will be framed in a discussion of the realities of these alternative strategies and how they play out in the real world.

Plan the Work and Work the Plan

David Thomas, Consigll; Curtis Thormann, Consigll

Efficient planning and coordination is a key aspect in the success (or failure) of any project. Using the Chu & Kalperis Halls project as a case study, this session will include a discussion of innovative methods used to plan the work during the pre-construction and construction, including team communication and collaboration, building information modeling for trade coordination, and lean construction methods.

The Benefits of a Roof Management Plan

Jon F. Lindberg, Gale Associates, Inc.

A formal roof management plan (RMP) can assist in day-to-day operations, and in long-term planning. This session will review how to properly evaluate an existing roof and associated components, such as rising walls, parapets, roof penetrations and drainage; and detail how to: prioritize repair/replacement based on visual evaluation and limited destructive testing, utilizing leak histories, age of the roof, repair histories, and interior space usage. Attendees will learn how to develop budget estimates that can be used for yearly planning for roof maintenance many years in advance and easily update the report with new repair histories or new roof warranties.

SESSION 2 3:45 p.m. - 5:00 p.m.

Practical Sustainability

Tom Twist, Bates College

Although many schools have taken steps in the direction of sustainability, relatively few have come up with a common-sense, integrated approach for getting from A to B. Join Tom Twist, Bates Sustainability Manager, as he discusses strategies for waste management, behavioral change, energy alternatives and plotting a course towards a more sustainable campus.

Environmentally Safe and Sustainable Cleaning Products

Kathryn Risotti, Genesan

The significance of using environmentally safe and sustainable products and partnering with vendors who work with local and regional education facilities to continually learn, improve and provide the best resource solutions.

Existing Facilities: 25 Years of the ADA on Campus

Jill Johanning, Alpha One

Campuses have an extensive array of facilities that have evolved over the 25 years since the ADA became law. The priorities for barrier removal of existing facilities are for the approach and entry to the facilities, access to the goods and services, access to public restroom facilities, followed by other additional items. Use of examples of existing conditions will be presented to illustrate accessible requirements and achievable barrier removal. Use of the ADA Checklist will allow campuses to identify items that can be included with maintenance budgets, or other items that may require being incorporated with capital improvement projects.

Building Envelope Strategies for Effective Mock-ups & Field Testing

Derek McCowan, Simpson Gumpertz & Heger, Inc.; Christopher Hung, Simpson Gumpertz & Heger, Inc

There are various approaches for implementing pre-construction mock-ups and in-field performance testing during a new building construction project. Various types of mock-ups as well as strategies for implementing in-field performance testing of building enclosure systems will be discussed. The presenters will provide suggestions for how to use mock-ups and field-testing efficiently and effectively, and will present lessons learned from past projects. The recent Campus Avenue project at Bates College will be presented as a case study.

FRIDAY, APRIL 21, 2017

SESSION 3 8:30 a.m. - 9:45 a.m.

Incentive Programs from Efficiency Maine

Ian Burnes, Efficiency Maine;
Rob McMenimon, CoEnergy America;
John Rasmussen, Bates College

This session will review the many programs that Efficiency Maine has to offer Maine businesses. In particular, the Combined Heat and Power Program will be reviewed including a project recently completed at St. Mary's hospital, in Lewiston.

Spring Prep for Athletic Fields: Grass Seed — Isn't it all the Same?

Jim Vickerson & Justin Cobb, Sports Field;
Mike Donohue, Lebanon Turf Company

This session will discuss the characteristics of the various types of turf grass plants and the advantages and disadvantages of each. We will cover how to evaluate your turf site and select the right species of turf and appropriate seed blends based on localized climate, traffic pressure, irrigation and input restrictions. We will also review recent results of various academic turf trials as well as the newest hybrids of Tall Fescue and the impact they can have reducing water consumption and fertility needs while maintaining a superior aesthetic quality.

Maintenance of Steam Distribution System Components

Richard Newbegin, TLC Corp.

Developing a good preventative maintenance plan for these systems can save time, money, and increase reliability of your steam delivery system. Learn about what makes an effective program and what services are available to assist in meeting this goal.

Campus Security: An Overview and Practical Discussion

Don Cherry, Jr., Allegion, PLC

With campus security requests and demands at an all-time high, it is important to take a look at what physical security can mean to various stakeholders. We will discuss in layman's terms, developing and implementing a physical security program, as well as reviewing and modifying existing programs.

SESSION 4 10:30 a.m. - 11:45 a.m.

Waste Reduction, Recycling & Composting

Tom Twist, Bates College;
Lisa Bjerke, College of the Atlantic;
Steve Sweeney, University of Southern Maine

From behavioral change, to waste analytics, to infrastructure improvements, to improving signage and communication, this panel session will cover transferable ways to address waste reduction.

Custodial Equipment Training and Maintenance

Travis Lawrence, Clean-O-Rama

This session will explain the importance of hands-on product and equipment training. We will instruct and demonstrate the proper use and maintenance of custodial equipment, how providing training, the right equipment and supplies, and a good working environment directly contributes to organizational success.

Panel Discussion on Deferred Maintenance Strategy

Ted Stam, Bowdoin College;
Mina Amundsen, Colby College;
Pamela Wichroski, Bates College;
Jay Phillips, Bates College

Join a panel of facility leaders to hear how each manages their deferred maintenance backlog. How are deferred maintenance needs tracked and how are projects identified and prioritized? How do they translate into budget requests and approved, funded projects? What tools and measures are used?

What's Lead Got to Do With It?

Deborah Kasik, CES, Inc.

Learn how Bates took a proactive approach to handling LBP issues, by testing and designing a remediation strategy for the college to implement. The plan is to perform the inspection process upon acquisition of the property. Renovation/remediation strategies are then decided with the end goal of becoming leads-afe. The presenter will give a lead introductory with an overview on regulatory, as well as New England states vs. HUD & EPA. A case study will be discussed, as well as tips and tricks.