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## Site Tour at Millipore Corporation in Bedford, MA

May 4th

EMD Millipore Corporation has developed an exceptional global sustainability program with a strong focus on energy efficiency. This month, the efficiency efforts they’ve completed at their Bedford laboratory and research facility will be on display. Some of the features to be highlighted will include:

- one of the largest roof-mounted PV systems in MA
- energy efficiency applied to a LEED-Gold certified, clean-room facility
- compressed-air system efficiency projects
- boiler combustion efficiency project
- various lighting efficiency projects
- employee engagement projects

During the tour, Millipore’s staff will be available to answer your questions and share their experiences with each of the projects. During the opening presentation you’ll learn about Millipore’s Sustainability Program and master energy plan strategy for indentifying opportunities, planning, implementation and conducting performance measurement data that they use to track project success. You’ll also learn how various utility incentives were leveraged to make these projects economically viable.

This tour will be presented outside of our normal meeting venue. Please note that we will be starting at 4:45 p.m. We will have time to enjoy a substantial selection of hors d' oeuvres from 4:45 to 5:30 or so. While a formal dinner will not be served, you will not be left hungry. The evening’s presentation will begin at 5:30 followed by a presentation from the site staff. We will then move directly into a one hour building tour ending the program around 7:30 p.m.

***Pre-registration is mandatory for this event.  
All registrations must be received by 10 AM on May 4<sup>th</sup>.***

***Next meeting – May 4th***

Site Tour at Millipore in Bedford, MA

**The meeting will start at 4:45 p.m. sharp!**

### 2010-2011 Chapter Officers

Continued page 2

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\* Denotes Past President

**IMPORATANT TRAVEL INFORMATION:** This site, located at 80 Ashby Road, Bedford MA which is accessed via Route 4 and 225. Ashby is accessed via Walsh road which is only 2.1 miles from the Route 95 / 128 intersection with Route 4 / 225 but be sure to allow upwards of 15 minutes to get to the site from the highway due to the intense traffic in this commercial district at rush hour. It is critical for you arrive in time to sign in and enjoy the food in this fast-paced evening event.

*This event is being provided at the special rate or \$35.*

***Event begins promptly at 4:45 PM***

EMD Millipore  
80 Ashby Road, Bedford, MA

**Please register and pay on-line using PayPal at <http://aenewengland.org>, or email to: [info@aenewengland.org](mailto:info@aenewengland.org) .**

***Disclaimer:***

The New England Chapter or the Association of Energy Engineers, AEE-NE, has not investigated and expressly disclaims any duty to investigate, any product, service, process, procedure, design, or the like which may be presented by any of the presenters or Chapter Officers at any AEE-NE meeting or function. The presentation of any technical data or editorial material at these events does not constitute endorsement, warranty or guaranty by AEE-NE of any product, service, process, procedure, design of the like. AEE-NE does not warrant that any of the information presented at these events is free from errors. The entire risk of the use of any information presented is assumed by the user.

**Upcoming Events From Outside Organizations** (subject to change)

Visit our web page, [www.aenewengland.org](http://www.aenewengland.org), as events are added periodically

**LEED 521: Energy Modeling for LEED Using eQuest:** This two-day hands-on training will develop your capacity in energy modeling using eQUEST to achieve LEED EA<sub>p2</sub>: Minimum Energy Performance and EA<sub>c1</sub>: Optimize Energy Performance. In day one you will learn how to use eQUEST's wizards and graphics to construct a building energy model that incorporates weather data, building envelope construction specifications, HVAC systems, internal loads and service hot water systems. In day two you will learn how to make your building energy model comply with ASHRAE 90.1-2007 Appendix G to meet LEED 2009 requirements for EA<sub>p2</sub> and EA<sub>c1</sub>. Through modeling exercises, you will develop both proposed and baseline building energy models and compare simulations and results. Lastly, you will learn how to complete the LEED submittal forms using eQUEST input and output.

Seating is limited and registration is first-come, first-serve. Registration fee includes both Day 1 (July 21<sup>st</sup>) and Day 2 (July 22<sup>nd</sup>). Participants will receive a course manual and a Certificate of Completion. Please note that meals are not included but breaks will be provided.

Provides 16 AIA SD HSW/LU and 16 GBCI LEED-Specific CE for BD+C for LEED Green Associates and LEED AP's. Continuing education credit may be available for ASHRAE and AEE Certified Professionals. Contact us for more information.

July 21<sup>st</sup> & 22<sup>nd</sup>, 2011 8:30 AM through 5:30 PM – TBD - Boston, MA  
Contact Phone: (617) 374-3740 Email: [events@greenroundtable.org](mailto:events@greenroundtable.org)  
Event Fee(s) Early Registration by July 7<sup>th</sup>. (New Reduced Price) \$495

## Chapter Sponsors:

(for more detailed information visit our web page, [www.aeenewengland.org](http://www.aeenewengland.org))

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### **Air Power Analytics**

Chris Buck, *Esq.*  
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### **Air Solutions & Balancing, LLC**

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603-262-9292

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Don Maggioli, *P.E., LSP, LEED AP*  
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### **American Plant Maintenance**

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413-445-0315

### **Beta LED**

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800-236-6800

### **Bluestone Energy**

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781-982-2888

### **Capitol Engineering**

John Frugard, *President*  
617-965-2020

### **CDM**

Dudley Smith, *PE*  
617-452-6479

## Greetings – May 2011



Our program year is winding down, but we will finish strong with two more outstanding events. In **May**, our monthly meeting will feature a site tour of the Millipore facility in Bedford, MA. **Millipore** recently won an AEE Energy award and the tour and subsequent presentation will show you some of the outstanding Energy Efficiency Measures they have implemented. On

**June 22<sup>nd</sup>**, we will hold our annual golf outing at the **New England Country Club**. Please remember that if you are interested in additional corporate sponsorship opportunities at our golf outing, contact **Joe Hall**. Be sure to check out the web site for detailed information on both of these programs.

What a great turn-out for our joint meeting with ASHRAE last month. The ballroom was filled to capacity to see **Steve Zilonis (Dresser-Rand)** and **Kevin Harnett (NStar)** provide technical and incentive information about **Combined Heat and Power**. Many thanks to **Jim Armstrong, Rich Costello** and **Bobby DiGiandomenico** for putting together this excellent program. Some of our programs (such as CHP) qualify for us to provide CEU's and PDH's to meeting attendees. We offer these free to all who attend the meetings and fill out a short questionnaire (hey, we got to make sure you are paying attention). There is a lot of work behind the scenes to bring these to you, so please join me in thanking **Jim Guertin** for his effort putting the CEU/PDH program together.

Finally, I would like to thank **Siemens** for hosting our CEM course to be held April 18<sup>th</sup> through 22<sup>nd</sup>. Siemens has graciously donated their conference facility for the week, which allows us to deliver this popular course at a much discounted price.

As I type this, the weather is improving the **Masters** are on and the **Red Sox** finally won their first game. I guess spring is here after all - enjoy it!

*Brian Crafts*  
Chapter President

## 2010-2011 AEE New England Chapter Future Meeting Topics (subject to change)

Date	Topic	Program Manager
May 4 <sup>th</sup>	Millipore Research & Development, Bedford	Fran Boucher
June 22 <sup>nd</sup>	11th Annual Golf Outing	Joe Hall, Greg Snyder Jim Armstrong

**Cimetrics Inc.**

David Landman  
617-350-7550

**Columbia Construction Co.**

Lisa Thoma  
Director of Marketing &  
Communications  
978-664-9500

**Constellation New Energy**

Brett Feldman  
617-772-7500

**CORE Energy Solutions**

Greg Corson  
603-397-0142

**D. R. Guilbeault Air Compressor**

Don Guilbeault, *President*  
603-598-0891

**DAC Sales**

David Goodman  
207-985-0873

**DMI**

Alec Stevens, *President*  
781-431-1100

**ENE Systems**

Vinny Camillo, *System Support Manager*  
781-828-6770

**Energy New England**

John Muro, *President*  
508-698-1212

**EnerNOC, Inc.**

David Wells, *Sr. Business Development Manager*  
617-399-5056

**Environmental Systems**

Dan Wheatley, *Energy Manager*  
781-729-3760

**ERS**

Mary McElhiney  
978-521-2550

**ETA Associates**

Joel Myerson  
978-532-7330

**FMC Technologies, Inc.**

Brian S. Crafts, *President*  
978-528-4630

**George T. Wilkinson**

Alan Bishop  
781-335-2622

**H2O Applied Technologies**

Jeff Myrdek, *Director of Construction*  
617-428-8690



**If you enjoy a challenge and play only one outing a year; this is it. AEE Members may organize a foursome or play as singles. Chapter Sponsors get first pick for Hole Sponsorships and may register up to 3 foursomes. Many prizes, contests and raffles are in cash. Reward yourself, clients and the franchise players on your team.**

**AEE NE GOLF OUTING** is at the New England Country Club [www.newenglandcountryclub.com](http://www.newenglandcountryclub.com) in Bellingham, MA at the northeast corner of Rhode Island. Your Outing package includes...

- Loosen up with Free Bucket of Balls at Driving range 8 am – 8:45 am
- 18 Holes of golf, optional \$5 Mulligan (one per player maximum)
- CART with Global Positioning System on rolling hills and paved paths
- LUNCH – Sandwich, Hot Dog or Cheeseburger w/soda and chips, crackers or candy
- \$10,000 Hole-In-One Contest. 2 other vacation packages for Par 3's
- Cash bar and BEVERAGE SERVICE on the course (no BYOB)
- Networking Reception, Awards DINNER, cash raffle and more.
- GIFT bag includes Titleist™ golf balls, power snacks, & sun block
- Surprise Sponsor Gift and...

19TH Hole RECEPTION "Under the Tent". Non-Golfers welcome to Awards ceremony (Dinner \$30.00).

**See Announcement and Register today at**  
[www.aeenewengland.org](http://www.aeenewengland.org)

Become a Chapter Sponsor!  
Contact **Ron Gillooly**  
[ronald.gillooly@us.ngrid.com](mailto:ronald.gillooly@us.ngrid.com)  
For More Information

**iFacility Services, Inc.**

Joel Myerson, *President*  
978-532-7330

**Johnson Controls**

Kathy Stanley, *Account Executive*  
781-248-2867

**Kraft Power Corporation**

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**National Grid**

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781-907-1560

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781-828-8877

**New England Window Systems**

Russ Hadaya, *President*  
617-269-6397

**Nexamp**

Karim Bibawi  
978-688-2700

**Northern Energy Services, Inc.**

Paul A. Mallet, *President*  
508-393-7500

**NSTAR**

Robert Di Giandomenico  
339-987-8086

**Optimum Energy**

Tory Kempf, *Account Executive - Northeast*  
781-471-4368

**Parson Brinckerhoff**

Bill Schlageter  
617-960-5524

**Nexamp, Inc.**  
**Seeking Energy Engineer****Position Summary**

Nexamp is seeking an experienced Energy Engineer to support the delivery of energy advisory services to commercial, institutional, and industrial clients. Nexamp is a clean energy solutions company. We deliver a broad range of turnkey solutions that reduce energy consumption and carbon emissions for businesses and government clients. We are seeking bright and enthusiastic professionals to join our highly motivated and effective team. For more information: [www.nexamp.com](http://www.nexamp.com).

**Duties and Responsibilities**

Responsible for the technical and financial analysis of a full range of energy solutions, including but not limited to:

- Technical and financial evaluation of energy efficiency and energy management solutions.
- Perform energy audits of Nexamp commercial, institutional, and industrial clients to identify energy reduction opportunities, as well as associated estimates of cost and energy savings.
- Technical and engineering support of the sales process, including participation in sales meetings, proposal development, and feasibility studies.
- Energy simulation modeling using off the shelf energy modeling software programs (e.g., DOE-2, eQuest) to quantify and prioritize potential energy and demand savings opportunities associated with energy efficiency measures.
- Project management and/or technical and engineering support for advisory services projects, including energy benchmarking and development of Nexamp's Clean Energy Road Map.
- Project management and/or technical and engineering support for integration projects, including design, permitting, construction management, and commissioning.
- Technical and engineering support for Nexamp internal product development.

**Qualifications**

Ideal candidate must be bright, enthusiastic, self-motivated, results-oriented, and a team player. The candidate should be a technical expert in building energy systems, and related design, implementation, operational, and cost issues. The candidate should possess strong customer communications skills, from both a sales and delivery of services standpoint. The candidate should be prepared for increased responsibility in a rapidly growing company.

- 5+ years experience in energy efficiency, energy management, conservation, and facility operations.
- 4 year degree in engineering or equivalent education/experience.
- Certified Energy Manager (CEM) is a prerequisite; PE desirable.
- Knowledge of energy-efficiency technologies suitable to understand their practical application at client facilities, including the ability to develop cost and savings estimates for those technologies.
- Excellent written and verbal communication skills, and proficiency with MS Word, Excel, and PowerPoint.
- Willingness to travel up to 50%.
- **Preferred Skills.** Financial modeling capabilities. Familiarity with utility energy efficiency programs. Utility billing and rate analysis experience. Certified Energy Auditor and LEED certification.

**Compensation**

Competitive pay and benefits

To apply, please forward your cover letter, resume, and salary requirements to the job form on our site: [http://www.nexamp.com/job\\_form](http://www.nexamp.com/job_form) No phone calls please.

**Prism Energy Services**  
Wendy A. Simmons, *President*  
617-328-9896

**Raytheon**  
Dave Chamberlain, *Principal Engineer*  
339-645-8019

**RetroCool Energy, Inc.**  
Marc Sandofsky  
508-479-6034

**Reynolds, Smith and Hills, Inc.**  
John Gerrish, *Program Leader*  
508-583-2091

**RISE Engineering (Thielsch)**  
Vin Graziano  
800-422-5365

**Rist-Frost-Shumway Engineering, P.C.**  
Wendy E. Drake  
603-524-4647

**Sebesta Blomberg**  
Abbe Bjorklund, *Partner & Vice President*  
781-721-3934

**Siemens**  
Jim Armstrong  
781-774-8360

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617-268-4041

**Suez Energy**  
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617-261-8912

**Tanyx Measurement**  
Robert Kieser  
978-671-0183

**Tecogen**  
Jeffrey Glick, *Sales Manager*  
781-466-6400

**Tint King, Inc/Glass Energy Solutions**  
Brian King, *President*  
978-670-2927

**Trumbull Campbell Associates**  
Tom Trumbull  
978-225-2045

**Tunstall Corporation**  
T.P. Tunstall - *President*  
413-594-8695

## Events From Outside Organizations ... Continued

### ASHRAE Boston: Installation of Officers

May 10, 2011, 5:30 PM - 8:30 PM **TBD**

Location: TBD

Contact: William Tang [wkt@brplusa.com](mailto:wkt@brplusa.com) Cost: \$45 (if not ASHRAE member)

Website: <http://www.ashraeboston.org/chapterupdates/calendar.html>

### AFE #74: FLEXcon

April 21, 2011, 5:30 PM - 8:30 PM **Spencer, MA**

Location: 1 Flexcon Industrial Park

Contact: ron.stachelek@southbridgehotel.com 508-765-4500 Cost: \$35 (if not AFE member) Please check website for latest information:

<http://www.afe.org/chapter74>

Email: [chapter74@afe.org](mailto:chapter74@afe.org)

### AFE #74: Milton CAT

May 19, 2011, 5:30 PM - 8:30 PM **Milford, MA**

Topic: Energy conservation and facilities improvements Speaker: Matt Shields

Location: 330 East Main Street

Contact: ron.stachelek@southbridgehotel.com 508-765-4500 Cost: \$35 (if not AFE member) Please check website for latest information:

<http://www.afe.org/chapter74>

Email: [chapter74@afe.org](mailto:chapter74@afe.org)

### Massachusetts Technology Collaborative (MTC) Programs for Business & Individuals

<http://masstech.org/>

### Massachusetts Energy Efficiency Partnership (MAEEP)

Energy Efficiency in Chilled Water Systems

May 4, 2011, 7:30 AM – 3:00 PM **Westborough, MA**

Speakers: Dr. Beka Kosanovic – University of Massachusetts, James Armstrong – Siemens, Anthony Tomassi - JCI

Location: DoubleTree by Hilton, 5400 Computer Drive

Registration: <http://www.maeep.org/signup.cfm?recID=141>

Contact: Center for Energy Efficiency & Renewable Energy

University of Massachusetts - Amherst

160 Governors Drive, Amherst, MA 01003-9265

Cost: \$50 – \$100 per person

<http://www.maeep.org/>

### The Green Roundtable – Multiple Events

Location: 38 Chauncy St., 7<sup>th</sup> floor, **Boston, MA**

<http://www.nexusboston.org/>

Contact: 617-374-3740 [events@greenroundtable.org](mailto:events@greenroundtable.org)

May 5, 2011, 12:30 PM – 1:30 PM Cost: free

Topic: **Webinar: Become a LEED AP & Maintain Your Credential**

Presenter: Green Building Consultants

Registration: <https://www1.gotomeeting.com/register/365082424>

May 11, 2011, 2:00 PM – 3:00 PM Cost: free

Topic: **Webinar: Reconsidering Contracts: Using IPD to Deliver Better Buildings**

Presenter: Chris Leary

Registration: <https://www1.gotomeeting.com/register/472527329>

**Vanderweil**

Charlie Kalasinsky, *Corporate Engineer*  
617-423-7423

**Water Energy Distributors, Inc.**

Martin Orio  
*VP Business Development*  
603-329-8122

**Watt Stopper**

Don Munroe, *Sr. Regional Sales Manager*  
508-336-3399

**WPS Flack & Kurtz**

Mark Warren, *Director of Facilities Engineering*  
617-210-1600

May 12, 2011, 8:30 AM – 5:30 PM

Topic: **LEED & Green Project Management**

Presenter: Green Building Consultants

Cost: \$295

May 25, 2011, 2:00 PM – 3:00 PM

Topic: **Webinar: Counting What Counts: Understanding & Applying Life Cycle Assessment In Your Next Project**

Presenter: Amanda Pike

Registration: <https://www1.gotomeeting.com/register/701764328>

Cost: \$295

**The 2<sup>nd</sup> Annual Massachusetts Sustainable Economy Conference**

May 2, 2011 8:30 AM – 5:00 PM **Boston, MA**

Location: Federal Reserve Bank of Boston, 600 Atlantic Ave.

Registration: <http://sustainableeconomyconference.com/registration/>

Contact: 617-416-4915 [info@sustainableeconomyconference.com](mailto:info@sustainableeconomyconference.com)

Cost: \$125 - \$375

**6<sup>th</sup> Annual Northeast Buildings & Facilities Management Show & Conference**

June 15 & 16, 2011 8:00 AM – 7:00 PM **Boston, MA**

Location: Boston Convention & Exhibition Center, Hall B-2, 415 Summer St.

Registration: <http://www.proexpos.com/NEBFM/index.php?tpl=register>

Contact: Chris Pimentel 617-777-2947

Cost: free