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Lighting the Way
LED Lighting and Control Technologies
 Wednesday, March 2, 2011
 Doubletree Hotel – Waltham, MA

Topic:

New evolutions of fluorescent fixtures and lamps and increasingly cost-effective LED products are helping new office buildings in the Boston area achieve functional and aesthetic goals at lighting power densities under 0.6 watts/sf. We explore the wealth of technical and financial resources local utilities can provide to help your team achieve similar spectacular results. The presentation includes an overview of current and future lighting products and lighting design tools, with a focus on energy efficient lamp, ballast and control technologies.

Speakers:

Kelly S. Cota, LC, LEED AP, Program Manager at National Grid. Specializing in providing energy efficient solutions for New Construction and Retrofit Projects. Kelly has over 17 years experience in the lighting industry and currently sits on the technical committee for Design Lights Consortium creating standards for emerging LED technologies. She is involved within the local AEENE chapter and as a board member within the local IESNA Boston Chapter.

Bob Ponzini, Program Manager - Retail LED Business Team, Osram Sylvania. Bob has spent the past 22 years working in the lighting field for OSRAM SYLVANIA in capacities including new product development, manufacturing engineering, applications engineering, product management, and specification engineering. For the past nine years, Bob has been Osram Sylvania’s Northeast area specification engineer, providing product and technical support, training, and applications support to Northeast area luminaire manufacturers, manufacturers agencies, lighting designers,

2010-2011 Chapter Officers

Continued page 2

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* Denotes Past President

architects, engineers, ESCo's, utilities and end users. Bob is a graduate of Merrimack College with a Bachelor of Science Degree in Electrical Engineering, an active member of IESNA, and NCQLP Lighting Certified (LC).

Meeting Manager: Jim Donnelly (jim.donnelly@siemens.com)

Please register and pay on-line using PayPal at <http://aeenewengland.org>, or email to: info@aeenewengland.org .

Doubletree Guest Suites Hotel

550 Winter Street - Exit 27B off Route 128 (I-95)
Waltham, MA

4:30 Open AEE Board Meeting *

5:30 Registration and Networking

6:30 Dinner and Presentation

8:30 Close

* Remember our Board of Directors meetings are open to anyone that is interested in attending. They begin at 4:30 p.m. before our regular meetings unless otherwise noted. We welcome new faces and ideas.

\$45.00 per person

Ask about our special rate for the unemployed job hunter

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.aeenewengland.org, as events are added periodically

ASHRAE Boston: Joint Meeting with BSA, Research & Promo Night

March 8, 2011, 5:30 PM - 8:30 PM Waltham, MA

Topic: Commissioning Green Buildings Speaker: Ron Wilkinson

Location: Doubletree Guest Suites Hotel, 550 Winter St.

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

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

AFE #33: March 24, 2011, 5:00 PM - 8:30 PM TBD

Topic: TBD Speaker: TBD Location: TBD

Contact: Gary Powell 603-230-7294

Cost: \$40 (if not AFE member)

Please check website for latest information:

<http://www.afe.org:80/chaptersnew/index.cfm?chapterindex=37>

AFE #37: March 22, 2011, 6:00 PM - 8:00 PM TBD

Topic: TBD Speaker: TBD Location: TBD

Contact: Jeff Myrdek 603-969-4567 Chapter37@afe.org Cost: \$40 (if not AFE member)

AFE #74: Saint Gobain Containers

March 17, 2011, 5:30 PM - 8:30 PM Milford, MA Location: 1 National 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

Chapter Sponsors:

(for more detailed information visit our web page, www.aeenewengland.org)

A & M Compressed Air Products

John Normandin, *President*
508-278-6500

Air Industries, Inc.

Stephen Nicholas, *President*
978-682-9993

Air Power Analytics

Chris Buck, *Esq.*
603-724-7117

Air Solutions & Balancing, LLC

Olaf Zwickau, *President*
603-262-9292

Alares LLC, Energy and the Environment

Don Maggioli, P.E., LSP, LEED AP
617-977-8499

Ameresco, Inc.

Ed Lepore
508-661-2200

American Plant Maintenance

Tony Favalaro, *President*
781-750-8899

Anchor Insulation Company

Jerry Fiske, *Vice President*
888-438-9612

Arbogast Energy Auditing

Elmer Arbogast, *Owner*
207-591-9110

BCM Controls Corporation

Steven L. Feinberg, *President*
781-933-8878

Berkshire Gas Company

Michael Sommer,
Manager Energy Services
413-445-0315

Beta LED

Mike Benner
800-236-6800

Bluestone Energy

Peter Fairbanks, *President*
781-982-2888

Capitol Engineering

John Frugard, *President*
617-965-2020

CDM

Dudley Smith, PE
617-452-6479



Greetings – March 2011

What a great night we had for our annual **Energy Awards and Success Stories** dinner. Even though we had to postpone the event one week because of the inclement weather, we still had a turnout of about 100 members, guests and friends. **Dan Wheatley** presented \$1,000 scholarships to ten deserving students. These students come from many local schools and were selected as the best and brightest from a large pool of applications.

Gregg Snyder presented the award for the best Emerging Technology, as voted on by our members who attended our Emerging Technology night, last spring. Finally, **Jim Armstrong, Andy Coffin** and **Rich Costello** presented nineteen “best” and “honorable mention” energy awards in several diverse categories. Each award winner had a few minutes to talk about their project, so we all got a glimpse of what is being done in New England to save energy. In total, the nineteen award winning projects saved over **\$5.5 Million** dollars in annual energy expense.

Special thanks go out to **Nelson Medeiros**, who was the co-meeting manager with Andy (and also the official photographer for the night). Photographs will soon be up on the web and you can see a list of winners in this newsletter.

Our next meeting, on March 2nd, and will focus solely on lighting. **Jim Donnelly** has lined up two excellent speakers for the evening who will discuss utility programs, new and existing lighting and lighting control technologies as well as new design tools. It has been a while since we dedicated a complete night just to lighting, so come out and see what is new. As always, *please* sign up early and via PayPal if possible.

Finally, back by popular demand, we are offering a **Certified Energy Managers (CEM)** training course and exam in April. This is a great opportunity to take a local training course and the exam to earn your CEM certification. Look for details soon.

Brian Crafts
Chapter President

2010-2011 AEE New England Chapter Future Meeting Topics

(subject to change)

Date	Topic	Program Manager
Mar. 2nd	Lighting	Jim Donnelly
Apr. 6th	Mass Green Communities Act Utility CHP Incentives (Joint Meeting with ASHRAE Boston)	Jim Armstrong, Rich Costello
May 4 th	Millipore Research & Development, Bedford	Fran Boucher
June 22 nd	11th Annual Golf Outing	Joe Hall, Greg Snyder Jim Armstrong

Cimetrics Inc.
David Landman
617-350-7550

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

iFacility Services, Inc.
Joel Myerson, *President*
978-532-7330

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



AEE New England Offers CEM Training Course

AEE is offering to its membership and the public, the Certified Energy Manager (CEM) training course and certification examination. The CEM course is an intensive four and a half day seminar designed as a preparatory vehicle for the CEM examination. The course offers a thorough review of the basics of efficiency improvement as it relates to electrical, utility, building and combustion systems. It is the ideal refresher course for energy managers who want to “brush up on the basics” as well as for those seeking an additional method of preparation for the examination.

The CEM course will be held from 8:00 AM to 5:00 PM, April 18th thru the 22nd, 2011, followed by the exam on the second half of the last day.

The cost of the course and examination is \$1,500 (\$1,400 for Chapter Sponsors), which includes breakfast and lunch for the five days as well as a comprehensive workbook. The course will be held at the Siemens, 85 John Road, Canton, MA 02021. Please note that the seminar is priced well below the traditional AEE sponsored program.

Please visit our website at www.aeenewengland.org for a AEE New England Chapter CEM Training Course Application Form which must be filled out and turned in order to attend the class.

You will also find the National AEE CEM Application Form, which is intensive and will have to be filled out eventually in order to receive your CEM Certification once you have taken the training course, passed the test, and meet all of the other required criteria.

For more information please see our website or contact Richard Costello of Acela Energy Group at (508) 530 3040 or email at Richard.costello@acelaenergy.com

AEENE Chapter Energy Project Awards

Best Emerging Technology - Cypress Enviro Systems
Renewable Energy Project (Electric) - City of Lowell - Public Schools
Renewable Energy Project (Thermal) - Harvard Yard - Harvard University
***Tie** *Compressed Air Energy Project* - General Electric
Wheetabix
Performance Contracting Project (Public) - City of Revere - Public Schools
Performance Contracting Project (Private) - BAE Systems
***Tie** *Customer Driven Energy Projects* - EMD Millipore
Massachusetts General Hospital
Customer Driven Energy Projects - (Small C&I) - Cape Air
Continuous Commissioning Energy Project - Manual Life - 601 Congress Street
Refrigeration Energy Project - Raytheon
Combined Heat & Power Project - Boston Scientific
New Construction Energy Project - NE Council of Carpenters

Honorable Mentions

Renewable Energy Project (Electric) - Sunsetter
Performance Contracting Project (Public) - City of Lynn - Housing Authority
Performance Contracting Project (Public) - North Smithfield - Public Schools
Customer Driven Energy Projects - Johnson & Johnson - Depuy
Continuous Commissioning Energy Project - Genzyme
Refrigeration Energy Project - Roche Brothers Supermarket

Kraft Power Corporation

David Barstow, *Sales Manager,*
Stationary Power
 781 938-9100

Leviton Manufacturing Co.

William Ammon
 603282-9344

MA Selmon Co., Inc.

Brad Selmon, *President*
 203-377-3525

Mass Maritime

Dr. James McDonald

Millennial Net, Inc.

Mark Hanna
 978-569-1950

Mitsubishi Electric HVAC

Susan Pickett, *Area Manager*
 978-988-5771

National Grid

Ron Gillooly
 781-907-1560

National Resources Management

Emre Schweighoffer
 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

Prism Energy Services

Wendy A. Simmons, *President*
 617-328-9896

Raytheon

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

2011-2012 Call for Scholarships

The New Year brings the call for AEE scholarships for the 2011-2012 academic year. Scholarships are jointly sponsored by our chapter and the National AEE Foundation Scholarship program. Deserving students may now submit applications to our New England Chapter for \$1,000 scholarships. If you are, or know of, a good candidate according to the requirements below, please contact Dan Wheatley, Scholarship Chairman, at dan_wheatley@msn.com for an application.

Scholarship Purpose & Eligibility

The AEE Foundation Scholarship program was established to encourage qualified students in energy/mechanical engineering, facilities management, or energy management by awarding scholarships to further education in the field. Scholarships are awarded to full-time undergraduate and graduate degree candidates enrolled at accredited colleges or universities. For further information on the scholarship foundation, visit the AEE website at www.aeecenter.org and click on 'AEE Foundation'.

Selection Procedure and Application Deadline

Scholarships are awarded based on academics, character, and financial need. Applicants must write a personal goals statement, statement of financial need, and also must be recommended by at least one faculty member.

Applications must be submitted to the New England Chapter at the address below by March 30, 2011. Applications may be submitted via US Mail or electronically. For questions or information on submission and eligibility please contact us:

Email: dan_wheatley@msn.com

Mail: Dan Wheatley, AEE New England Scholarship Chairman
 Environmental Systems Corporation
 750 Main Street
 Winchester, MA 01890

Upcoming Events From Outside Organizations

Massachusetts Technology Collaborative (MTC)
Programs for Business & Individuals
<http://masstech.org/>

Massachusetts Energy Efficiency Partnership (MEEP)

Fundamentals of Compressed Air Systems

March 8, 2011, 7:30 AM – 4:30 PM **Westwood, MA**

Speaker: Paul K Shaw - Scales Compressor

Location: NSTAR Gas and Electric, One NSTAR Way

Registration: <http://www.maeep.org/signup.cfm?recID=139>

Contact: Center for Energy Efficiency & Renewable Energy

University of Massachusetts - Amherst, 160 Governors Drive, Amherst, MA 01003-9265

Cost: \$100 – \$150 per person

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

RetroCool Energy, Inc.

Marc Sandofsky
508-479-6034

Reynolds, Smith and Hills, Inc.

John Gerrish, *Program Leader*
508-583-2091

RISE Engineering (Thielsch)

Rick Galipeau, *Director of Business Development*
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

Southern Air

Bill Veazie, *Vice President*
Treasurer
617-268-4041

Suez Energy

Kristine Roback, CEM
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

Vanderweil

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

Water Energy Distributors, Inc.

Martin Orio
VP Business Development
603-329-8122

The Green Roundtable

Location: 38 Chauncy St., 7th floor, **Boston, MA**

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

Contact: 617-374-3740 events@greenroundtable.org

March 1, 2011, 12:30 PM – 1:30 PM

Topic: **Workshop: Inform the Next Generation of Sustainable Design & Construction**

Cost: free

March 1, 2011, 3:00 PM – 4:00 PM

Topic: **Webinar: Inform the Next Generation of Sustainable Design & Construction**

Cost: free

March 9, 2011, 2:00 PM – 3:00 PM

Topic: **Webinar: Open-Source Supply Chain Mapping for Fun and Profit: Using Sourcemap.org for Sustainable Communications and Design**

Cost: free

March 16, 2011, 12:30 PM – 2:00 PM

Topic: **Case Study: Sustainable Mixed-Use Development in Historic Urban Areas**

Cost: free

March 16, 2011, 2:00 PM – 3:00 PM

Topic: **Webinar: The Principles of Cradle to Cradle**

Cost: free

March 25, 2011, 8:30 AM – 5:30 PM

Topic: **LEED Green Associate Exam Prep**

Cost: \$295

Northeast Sustainable Energy Association (NESEA) Building Energy 11

March 8 - 10, 2011 8:30 AM – 9:30 PM **Boston, MA**

Location: Seaport World Trade Center, 200 Seaport Blvd.

Registration: <http://www.nesea.org/be11/conferenceregistration/generalregistration/>

Website: <http://www.nesea.org/be11/>

Cost: \$30 - \$645

Harvard University Center for the Environment

March 9, 2011 (All day) **Cambridge, MA**

Topic: Responsible Stewardship of U.S. Offshore Oil and Natural Gas Development

Speaker: Michael R. Bromwich, Director, Bureau of Ocean Energy Management, Regulation and Enforcement

Location: TBD

Contact: Brenda Hugot bhugot@fas.harvard.edu 617-496-1788

Cost: free

BOURNE, MA, February 15, 2011 — Onset (<http://www.onsetcomp.com>), the world's leading supplier of data loggers, today announced a free **training workshop** on how to identify energy waste in commercial facilities on March 16, 2011, in Quincy, Massachusetts. The workshop will be held at the **Boston Marriott Quincy** at 1000 Marriott Drive, Quincy, MA. Two sessions will be held; a morning session from **9:30am – 12:00 noon**, and an afternoon session from **1:30pm – 4:00pm**. CONTACT:

Evan Lubofsky Director of Marketing, Onset 508-743-3181 evan@onsetcomp.com

Watt Stopper

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

WPS Flack & Kurtz

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