# **ASSOCIATION OF ENERGY ENGINEERS - NEW ENGLAND CHAPTER**



# **NEW ENGLAND ENERGY NEWS**

# **Summer 2008 Newsletter**

#### Inside this issue:

- NEXT MEETING
- PRESIDENT'S MESSAGE
- SENERGY CONSULTANTS
  INIVITED TO BID
- AEE "BEST COMMUNITY SERVICE" AWARD
- S EMPLOYMENT OPPORTUNITIES
- MARITIME STUDENTS
  REACH NEW HEIGHTS
- New England Energy
  Alliance
- AEE NEW ENGLAND SPONSORED EVENTS

# Visit our website www.aeenewengland.org

## **Carbon Footprint – An overview**

September Meeting - Date TBA

Everything we do produces a Carbon Footprint, but now that we are aware of the effects of global warming the concept takes on a whole new meaning.

If there is a silver lining to the extremely high energy prices that we are currently experiencing, it is that high carbon footprint activities are being discouraged because they are so expensive.

Our speakers (TBD) will address the following questions.

- What is a Carbon Footprint and how do we measure it?
- We never heard about this 2-3-4 years ago---why is it so important now?
- Have organizations changed their policies/work processes to deal w/CF? How so? Can you site examples?
- What are offsets, do they really work?
- How does this relate to Renewable Energy Credits?

As professionals in the energy/engineering industry, what should we be doing to assist our companies and/or clients?

#### Meeting managers Jim Donnelly and Roger Goldman

#### Disclaimer:

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\* indicates Past President



Ron Gillooly
Chapter President

Greetings!

Once again Joe Hall and the members of the golf committee provided an enjoyable and well run event with more than 100 golfers partaking in our June program. Thank you Joe and all those who were involved in another successful

golf outing! It was a nice conclusion to our program year that experienced record attendance at times. Speaking of records we are seeing them every day at the gas pumps and in our utility bills as energy prices continue to increase at near unprecedented levels. As a result the knowledge, dedication and services offered by our membership will be in high demand as the nation looks for guidance on how to deal with escalating energy prices.

Locally the state of Massachusetts is taking bold action to address energy issues with the passing of the Green Communities Act. The comprehensive energy reform bill aims to lower energy costs and promote renewable energy. With the passing of the bill we can expect additional funding for utility sponsored efficiency programs and renewable energy projects.

This summer's newsletter includes a preview of our program year. We look forward to another year of informative and engaging topics that typically generate lively discussion.

Lastly I would like to thank Jim Donnelly our past president for his guidance and leadership over the past few years. During Jim's term our chapter sponsorship and meeting attendance increased making the New England chapter one of the more vibrant in the nation.

Enjoy the rest of the summer and I look forward to seeing you during our upcoming program year.

#### ENERGY CONSULTANTS INVITED TO BID

#### BERKSHIRE-PIONEER RESOURCE CONSERVATION & DEVEL-

OPMENT AREA, Inc. (BPRC&D) invites bids from qualified Engineering Consulting firms, Professional Engineers, Energy Service Organizations and Certified Energy Managers interested in providing technical assistance energy audits and reports for agricultural businesses throughout Massachusetts as part of the Massachusetts Farm Energy Program. Send bids to BPRC&D, 433 West Street, Suite 8, Amherst, MA 01002 to be received no later than 4:00 p.m. on 8/18/2008. Complete bid materials are available on the BPRC&D website <a href="http://www.berkshirepioneerrcd.org/mfep/index.php">http://www.berkshirepioneerrcd.org/mfep/index.php</a>. A nonmandatory bidder's conference is scheduled for 7/29/08, 10:00 a.m. to 12 noon, Natural Resources Conservation Services conference room, 451 West St.(Rt. 116), Amherst MA 01002.

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## "Congratulations to the New England AEE Chapter"

"The New England AEE Chapter has been selected as the winner of the "Best Community Service" Award for 2008. This Award represents the impressive achievements of your chapter during the past year and comes with our appreciation for the good work done by you and your members "states Al Thumann, Executive Director of the International Association of Energy Engineers.

Our New England Chapter continues to thrive due to the hard work of our dedicated members. We've been a leader in community activities as evidenced by our work with State Government, Federal Government, Student chapters, sponsoring new chapters and providing scholarships for worthy college students.

Selected in 2006 for this prestigious award and now again in 2008, our Chapter has had the best year ever. Below are a few of the highlights that contributed to our selection for this Community Service award:

- Initiated and help fund the successful start up of the Connecticut Chapter.
- Supported the EPA Community Challenge with the U.S. Environmental Protection Agency (EPA) Guest speaker at two monthly Chapter meetings.
- Three meetings this year with representatives of the MA State Energy office participating, including Philip Giudice, Massachusetts Division of Energy Resources.
- Introductory meetings with the Governor of the State of Maine to discuss energy issues and potential for a Maine Chapter of AEE.
- Student Scholarships (10 @ \$1,000 each) given out. This is twice the amount that other Chapters award.
- Use of chapter web site to promote other Community events that may be of interest to our members. i.e. Massachusetts Energy Efficiency Partnership (MEEP), Massachusetts Technology Collaborative (MTC), etc.

One or more representatives from our Chapter will be in Washington, D.C. on September 30 to receive this award. We're proud of this achievement and look forward to even greater accomplishments in the year ahead.

A complete list of all the awards can be found on page 9

# Constellation Energy Projects & Services Group

Marc J Aronson, *Business Development Manager* 978-441-0090

#### Constellation NewEnergy, Inc.

Brett Feldman Program Manager 617-772-7500

#### **CTG Energetics**

Stephen Turner
Managing Director, Northeast Region
401-524-4798

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Don Guilbeault Principal 603-598-0891

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#### **Energy Machinery**

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#### **Energy Management Consultants**

Jeff Hanson, President 207-767-1313

#### **Energy New England**

John Muro, *President* 508-698-1215

#### **Environmental Health & Engineering**

Michael Della Barba Director of Commissioning Services 781-247-4300

#### **Environmental Systems**

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

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#### **GDS Associates**

Scott Albert

Principal & Northeast Region Manager
603-656-0336

#### **H20 Applied Technologies**

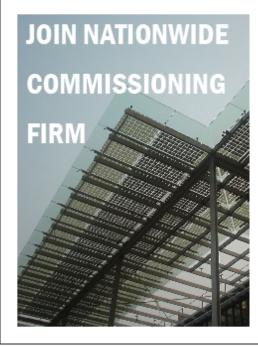
Dave MacIntosh, *Vice President, Operations* 617-574-1192

#### **Employment Opportunities**

# nationalgrid

Energy Engineers, Lighting Specialists and Sustainable Architect Positions Available

A variety of positions are available for energy efficiency and sustainable design professionals in National Grid's Commercial and Industrial Efficiency Programs group. Based out of our headquarters in Waltham Massachusetts you will work as part of a highly experienced team leading National Grid's electric and Gas customers to use more efficient practices in the design and operation of their buildings. Positions involve a high degree of contact with customers and design professionals and include day trip travel to customers around Massachusetts, Rhode Island and New Hampshire, with the potential for occasional overnight travel. Our business is expanding rapidly and our organization is gearing up to meet this challenge. Opportunities are available to available for candidates with a variety of levels of experience from 5 years on up, depending on qualifications. Send resumes or direct further inquires to Cheryl Schnare at <a href="mailto:Cheryl.Schnare@us.ngrid.com">Cheryl.Schnare@us.ngrid.com</a>



CTG is hiring engineers with expertise in controls or high performance buildings to become Commissioning Agents. Our internal training programs help experienced engineers become world class Commissioning specialists. Experience with owners, contractors, or with controls is a plus.

CTG is working on high profile projects at leading lvy League universities and beyond. Our projects include more than a dozen LEED® Platinum or Gold projects and scores of other LEED® and green building projects.

Send resume to Stephen Turner: sturner@CTGEnergetics.com

CA • CO • NV • RI • DC www.CTGEnergetics.com



#### **Hershey Energy Systems**

Arthur Bower, *Application Specialist* 978-927-9151

#### **Johnson Controls**

Kathy Stanley, *Account Executive* 781-246-5500

#### **ICF** International

Ed McGlynn Senior Manager 508-758-4245

#### **Kraft Power Corporation**

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

#### **Linc Mechanical Services**

David O'Brien, *General Manager* 781-939-9103

#### The Maricor Group New England

Nick Ferzacca, PE, LEED *President* 617-482-6281

#### **Mass Maritime Academy**

Alfred Towle, *Director of Graduate Education* 508-830-5000

#### MicroCool

Marc Sandofsky, Manager Energy Services 508-720-1594

#### **National Grid**

Fran Boucher, *Senior Energy Engineer* 508-421-7299

#### **National Resource Management**

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#### **New England Window Systems**

Russell S. Hadaya, *President* 617-269-6397

#### **Northeast Utilities**

Rick Galipeau, *Supervisor, C&LM C&I Programs* 860-810-1804

#### **NSTAR Electric & Gas**

Robert A. Di Giandomenico Project Manager, Technical Gas Sales 781-441-3847

#### **Partners Healthcare Systems**

Deb Carlson, *Human Resource Generalist* 617-724-2266

#### **Phoenix Controls Corporation**

Michael Soper - *Product Marketing Manager* 978-795-1285

#### **PPG Industries**

Brian Joyce, *Sales Executive* 508-822-4554

# Constellation NewEnergy Associate - Load Response (CNE-NY)

Constellation NewEnergy, a wholly-owned subsidiary of Constellation Energy, is the largest competitive retail electricity supplier in North America. The New York regional office seeks an Associate for our Load Response Group. Associate will be working with load response product teams in the New York State and Ontario Canada markets.

Associate's responsibilities will include:

- 1) Improving the load response products currently offered in the New York and Ontario Canada markets by providing analytical product support in these areas:
- a. new product pricing strategies,
- b. product expansion,
- c. product documentation and sales collateral,
- d. market assessments,
- e. product forecasts,
- f. bidding strategy optimization and load response portfolio management, and
- g. financial and technical support for product modifications.
- 2) Generating proposals to load response RFPs including financial analysis, risk assessment and pricing,
- 3) Assisting load response technical sales group with the sale of the load response products,
- 4) Coordinating with Operations and assisting customers with postcontract execution issues, and
- 5) Coordinating the installation of meters and other load response equipment at customer locations.

#### **Basic Qualifications**

Oualifications (Experience, Background, Skills, Education):

The Program Associate must have:

- Bachelors degree and at least 2 years of energy industry work experience
- Proficiency with Microsoft Office Suite
- Ability to multitask and prioritize, function in fast-paced environment
- Strong analytical and project management skills
- Interest in interacting with electricity/commodity markets
- A high level of attention to detail

Become a
Chapter Sponsor!
Contact Arthur arthur1771@aol.com
For More Information

#### **Raytheon Company**

Dave Chamberlain, *Principal Engineer* 978-436-8128

#### **RISE Engineering**

Rick Galipeau Director of Business Development 401-784-3700 x137

#### **RLW Analytics, Inc.**

Daniel J. Barbieri, P.E., C.E.M. Engineering Manager 860-346-5001 x201

#### Sebesta Blomberg & Associates

Abbe Bjorklund, *Associate* 781-721-3934

#### Sensor Switch, Inc

Bob Mirza, *Regional Sales Manager* 800-727-7483

#### **SEi Companies**

Mark Warren, *Director of Facilities Engineering* 617-210-1831

#### **Siemens Building Technologies**

Jim Donnelly, *Senior Consultant* 781-774-8314

#### Southern Air

Bill Veazie , Vice President Treasurer 617-268-4041

#### **Sprague Energy**

Mark Roberts Regional Sales Manager, New England 978-887-5070

#### **Strategic Building Solutions**

Mark Miller, *Director, Client Services* 860-395-0055

#### **SUEZ Energy Resources NA**

Kristine Robak, CEM, *Director, Key Accounts* 617-261-8912

#### **Synergy Investments**

Dan Gould, *President and CEO* 508-366-0200

#### Tecogen

Jeffrey Glick, Sales Manager 781-466-6481

#### **Teletrol Systems**

Amy Phillips, *Technical Service Engineer* 603-645-6061

#### Trane

John Connors, Account Manager Service & Controls 401-435-1410

#### **Trigen Boston**

Patrick J. Haswell*Manager, Sales and Marketing* 617-482-8080 x 326

# American Plant Maintenance, Inc. Sales Position:

Massachusetts based energy efficiency Company specializing in steam systems, compressed air and other gas systems is seeking a Sales Person in the Northeast market. We market our services to hospital, colleges, pharmaceuticals, power plants and other users of steam or gases.

He/she will be have three to five years of successfully selling services and be able to create demand for those services.

- Generate new business
- Proactive sales prospecting by telephone to set appointments.
- Ability to get through to decision makers
- Can handle rejection
- Gather information via telephone to set up a face-face meeting.
- Must have strong questioning skills
- Must be able to be focused and conduct 30 minute meetings
- Being able to close in a one-two call sales cycle.
- Up-Sell and Cross sell other services.

#### Skills and attributes required:

- 1. Experience with steam, compressed air and other gases, is desirable.
- 2. Must be able to establish rapport by telephone with prospects and clients.
- 3. Must be effective making in person client presentations.
- 4. Ability to self manage and work alone or with minimal supervision.
- 5. Computer literate.
- 6. Professional in appearance and personal presentation.
- 7. Energetic and upbeat with a sense of urgency.
- 8. Excellent written and verbal skills.
- 9. Stable work history.
- 10. Dependable transportation.

Forward a cover letter and resume to:

Vern Sherman American Plant Maintenance, Inc.

vern@apmnortheast.com



# Graduate & Continuing Education At Massachusetts Maritime Academy 101 Academy Drive Buzzards Bay, MA 02532 508-830-5005

#### FOR IMMEDIATE RELEASE

Contact Kristine Esdale Media Specialist Massachusetts Maritime Academy 508-830-5019 kesdale@maritime.edu www.maritime.edu/cmt

## Facilities Management Students Reach New Heights

BUZZARDS BAY - Students of the Master of Science in Facilities Management program at Massachusetts Maritime Academy are reaching new heights in their career success.

Twenty-three students began the program in September 2006 and joined the graduating class at commencement on June 21, 2008 at Massachusetts Maritime Academy. Over the course of the 16 month program, they studied topics such as Technology Resources, the Legal and Regulatory Environment for Facilities Managers, and Project Management. Courses are held in Waltham and at the Academy's Buzzards Bay campus. This program offers the convenience of a quality education for those living and working in the Greater Boston area, although the program attracts students from all over New England and beyond.

Past graduates of the MMA MSFM program have experienced significant career benefits. Current statistics show 63% of each class is promoted before they even complete the program. Students are employed in the fields of government, private industry and education. Supporting employers include Astrazeneca, Entergy, Harvard Business School, Gillette, Mirant Canal, Tascon Corporation, EMCOR, NStar, and Boston Scientific, among others. "Our MSFM graduates have worked very hard to get to this point in their careers," noted Lianne S. Boas, Dean of Graduate & Continuing Education at the Academy. "In these challenging economic times, our graduates are uniquely positioned to practically recession-proof their careers with a unique educational credential in a critical growth industry."

With the launch of its sixth cohort this fall, the Division of Graduate and Continuing Education anticipates another successful master's degree program that offers students the opportunity to enhance their careers with the leadership and teamwork skills necessary to excel in the Facilities Management arena. Employers in the many industries that hire graduates of the program will benefit from the security of placing effective facilities managers in their organizations.

Limited space is available in the fall cohort. For more information on the MSFM program, contact Dean Boas at (508) 830-5098 or <a href="mailto:dec@maritime.edu">dec@maritime.edu</a>.

## **New England Energy Alliance**

For Immediate Release Contact: Paul G. Afonso

**Executive Director 617-856-8430** 

# **Economic, Environmental Concerns Drive Energy Choices amid Misconceptions**

Consumers favor competitive markets but find political leadership lacking

**Boston, MA** – 6/2/08 – Concerns about the economy and the environment are influencing consumer preferences and decisions on energy issues according to an annual, region-wide survey on energy issues released today by the New England Energy Alliance.

Fifty percent of the consumers surveyed believe the economy is the single most important issue facing the region – up from 22% just a year ago – followed by the high cost of gasoline.

Despite economic concerns, 77 percent are concerned about climate change and half of those polled believe that not enough is being done to limit greenhouse gas emissions.

In the face of higher prices and environmental concerns, most consumers are willing to turn down thermostats and take other low-cost, relatively easy steps to conserve, but few are willing to give up their cars to carpool.

To meet future electricity needs, those surveyed overwhelmingly prefer wind power to other alternatives, but that support is based on the misconception that wind energy is available around-the-clock and is less costly than some of the alternatives.

Concerns about the economy and the environment form the basis for consumer viewpoints on energy in four broad areas:

Compelling support for wind energy amid technology and economic misconceptions: 84% favor the construction of large wind farms to meet regional electricity needs. A clear majority believe wind is the cheapest, most readily available source of electricity even though wind facilities operate only about 30% of the time and receive substantial federal and state subsidies that are paid by both taxpayers and consumers.

Support remains marginal for development of most traditional energy infrastructure projects despite demonstrated need: About 56% support the construction of new LNG terminals and natural gas plants and just under 50% are in favor of new nuclear and clean coal plants – percentages that are slightly lower than last year. The number of consumers in favor of renewing the licenses of existing nuclear power plants (56%) and building new transmission lines (50%) remain about the same.

Perceived lack of political leadership on energy issues: 82% believe the U.S. presidential candidates are not adequately addressing energy-related issues; similarly up to 80% believe New England governors are not. Continued Strong Support for Competition and Market-Based Programs: Almost 80% favor the concept of choosing their electricity supplier and would switch suppliers for savings of just 5%, or \$60 per year. Voluntary or market-based solutions for increasing energy efficiency and improving the environment are also favored as opposed to mandated consumer-funded government programs.

According to NEEA Executive Director Paul G. Afonso, "Due to the region's economic climate, consumers over-whelming are in favor of energy solutions that are perceived to be the lowest cost and easy to implement. When considering new infrastructure, consumers see wind energy as the first choice, but there are underlying misconceptions concerning the cost, availability and magnitude of government financial support for wind generation. There also continues to be marginal support for traditional energy infrastructure even though it is needed to maintain reliability and would have a downward effect on energy and electricity prices."

"The results of the survey suggest that consumers would benefit if leaders involved in all aspects of energy policy, planning and implementation would discuss a more comprehensive approach to addressing cost and reliability issues. Consumers are hearing about wind energy and efficiency, but little else despite the region's need to pursue all energy options," said Afonso.

The telephone survey was performed for NEEA by Opinion Dynamics Corporation of Waltham, MA as a follow-up to one fielded in March 2007. Interviewing was conducted between April 11 - 17 of 600 registered voters (consumers) proportionately distributed throughout New England. The margin of error is  $\pm 4\%$ .

Attached is a brief summary of results. The question-by-question results are graphically available on NEEA's website (www.newenglandenergyalliance.org)

## 2008-2009 AEE New England Chapter Future Meeting Topics

| Month     | Topic   | Program Manager                  | Date        |
|-----------|---|----------------------------------|-------------|
| September | Carbon Footprint - An Overview                            | Jim Donnelly & Roger Goldman     | Sep         |
| October   | Leed O&M & Retro Commissioning                            | Dinesh Patel & Dan Wheatly       | Oct 1       |
| November  | Sponsor Night & Scholarships                              | Brian Crafts & Kristine Esdale   | Nov 5       |
| December  | Green Communities Act                                     | Rich Costello & Sam Nutter       | Dec 3       |
| January   | Energy Outlook Forum                                      | Rich C., Kathy S., & Steve M.    | Jan 7, 2009 |
| February  | Utility Night/Awards - Emphasis on<br>Lighting            | Jim Armstrong & Nelson Medeiros  | Feb 4       |
| March     | Cogeneration  | Sam Nutter & Bob Di Giandomenico | Mar 4       |
| April     | Emerging Technologies                                     | Dan Wheatley                     | Apr 1       |
| May       | Site Tour w/ Topic  | Steve Di Giacomo                 | May 6       |
| June      | Golf Outing   | Joe Hall                         | TBD         |
| October   | Focus on Energy Management for<br>New England Communities | Kathy Stanley                    | TBD*        |

<sup>\*</sup>Special morning session in addition to our normal October meeting

#### **Tunstall Corporation**

T.P. Tunstall, President 413-594-8695

#### **Vanderweil Engineers**

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

#### The Watt Stopper, Inc.

Donald Munroe, Regional Sales Manager 508-336-3399

#### WebGen Systems, Inc.

Bob Steele, Vice President of Sales 617-349-0724

#### George T. Wilkinson

Alan Bshop, Vice President, Sales 781-335-2622

#### **WPS Energy Services**

Michael Parquette, 207-495-3535

ZiphanyMichael P. Ciembor, Business Development

716-695-1103 x143



Congratulations to these chapters for their achievements over the past year!

#### BEST CHAPTER NEWSLETTER

Greater Philadelphia (Domestic) Southern Africa (International)

#### **BEST CHAPTER WEBSITE**

North Texas (Domestic) Southern Africa (International)

MOST NEW AEE MEMBERS Wisconsin (Domestic) Southern Africa (International)

#### **BEST CHAPTER MEETING**

Austin/San Antonio (Domestic) Armenia (International)

#### **BEST COMMUNITY SERVICE**

New England (Domestic) India (International)

#### **BEST STUDENT CHAPTER**

Hungary (International)

#### BEST OVERALL CHAPTER PER-**FORMANCE**

Kansas City (Domestic) Georgia (International