

Rocky Mountain Association of Energy Engineers



Annual Energy Forum October 15, 2014

“Energy at Altitude”

15th Annual Energy Forum

October 15th, 2014 8:30 AM to 4:00 PM

Denver Police Protective Association (PPA) Event Center
2105 Decatur St. Denver, CO 80211
General area is I-25 and Speer

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

Plan now to join us for an informative day as RMAEE explores **“Energy at Altitude.”** Participants will receive 6 Professional Development Education Hours (1.2 CEU for professional licenses). Lunch and continental breakfast are included with paid admission of \$65 for RMAEE members or AEE members and \$85 for nonmembers. This price ends at midnight October 13th. At the door registrations - **the prices increase \$10 each.** Students with Valid ID will be free but need to register at [Student Forum Registration](#) and click on student.

The Event Brite link to register on line is [Forum Registration](#). If the link does not work copy and paste <http://www.eventbrite.com/e/rmaee-annual-energy-forum-tickets-13338410545> into your browser. If you have dietary needs such as gluten free or vegetarian please click on [Dietary Request](#)

**Continental Breakfast and Registration Opens at 7:30 AM.
Conference and speakers starts at 8:30 AM.**

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Eaton / EMC Engineers
303-209-0388

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Eaton / EMC Engineers
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What's Happening in our Industry

From AEE: <http://www.aeecenter.org/>

- **AEE YouTube video channel** - www.youtube.com/aeecenter. Numerous informative videos on a wide range of energy efficiency topics are available here.
- **AEE training partnerships** now include AIA (American Institute of Architects) and ACORE (American Council on Renewable Energy) – more ways to get CEUs and PDHs through AEE to maintain or obtain certifications with many other organizations.
- **Upcoming Conferences** –
 - **International Ground Source Heat Pump Association Technical Conference and Expo (IGSHPA)** October 15-16, 2014 Baltimore, Maryland. www.igshpaconference.com
 - **Globalcon - March 17-18, 2015**, Pennsylvania Convention Center, Philadelphia, PA www.globalconevent.com
 - **Energy Management Congress (EMC) June 3-4, 2015**, Long Beach Convention Center, Long Beach, CA. www.energyevent.com

Noteworthy this month:

A report from Navigant estimates over \$960 Billion will be spent by Commercial and Public Building owners on energy efficiency retrofit projects by 2023.

An Energy Vortex article noted GM is bringing on line 3 acres of PV at two Michigan plants, working towards its stated goal of 125 MW globally installed PV capacity by 2020.

Another article notes that LADWP (Nation's largest municipal utility serving 3.9 Million customers) has announced it is increasing its energy efficiency targets again to 15% reduction in energy consumption by 2020 from 2010 baseline – saving the city \$775 Million in utility bills according to the NRDC.

New York Times article shares that New York City Mayor Bill de Blasio's administration is planning to overhaul energy-efficiency standards of all the city's public buildings and to pressure private landlords to make similar improvements; the initiative is part of a pledge, which will be announced at start of United Nations Climate Summit, to decrease greenhouse gas emissions by 80 percent by 2050 from 2005 levels.

Monthly Meetings Info

The September 18th, 2014 meeting was on the New EPA Rule 111(d) - emissions reductions for power plants - presented by Laura Ferris of EPA Region 8. This was a very informative and timely presentation and our thanks to Ms. Ferris for giving us this presentation. Her slides will be available on our website soon.

The October Meeting is the 15th Annual Energy Forum on October 15th (WEDNESDAY) at the Denver Police Protective Association Plaza Building, 2105 Decatur St, Denver, CO 80211. Much more information and registration links are elsewhere in this newsletter. Please plan on attending and share the event notice with any organizations you belong to or are affiliated with.

The November 20th meeting is planned to be a presentation by Denver Water on their water efficiency rebate programs and cooling tower efficiency ideas in particular. Indian Tree Golf Club, 7555 Wadsworth Blvd, Arvada, CO 11:30 AM.

As a reminder to anyone holding an AEE certification (CEM, CGD, GBE, CSDP, etc.): Each certified professional is required to obtain Continuing Education Units (CEU) or Professional Development Hours (PDH) each renewal period. Attendance at RMAEE monthly meetings, **being on the Board**, attendance of AEE conferences, etc. all qualify as credits for CEUs/PDHs. **Attendance at The 15th Annual Energy Forum will get you 1 full CEU (8 PDHs) this year.**

We need more members to volunteer to be on the Board, please. Contact any Board member if you are interested

And please contact any of the Board with suggestions or commentary on how we can improve

RMAEE for you.

Sincerely,

Thom W Johnson

RMAEE Chapter President, 2014

Upcoming Events

All lunch meetings are the third Thursday of the month at Indian Tree Golf Course unless noted otherwise

Stay Connected with the RMAEE!
Visit this award winning website at
<http://www.rmaee.org/>

We've added an employment section.

If you would like to post an employment notice please send your listing(s) to Dan Sachse at dan.sachse@xcelenergy.com.

Membership – It maybe time to renew!

- □ RMAEE Membership Fees may be due. The RMAEE annual fee is \$50/person, unless you hold a National AEE membership. For National AEE members the RMAEE annual fee is \$40. Local membership gets you \$10 off the regular lunch meeting price of \$30 through out the year. Fill out the **application (below)** and fax, mail or email to Steve Kutska.
- Annual Corporate Memberships- Improved! An Annual Corporate Membership (ACM) is assigned to the company, thereby allowing any employee of the company to use this “Annual Corporate Membership” to attend RMAEE meetings. Each ACM allows one company employee to attend the meeting. This is different from previous years, when only the assigned employee could use the corporate membership
- Another membership benefit is the password protected member’s corner on the RMAEE website, www.rmaee.org. All available presentations are stored here in PDF form for local members to download. If you are a local member and do not know the password send an email to dan.sachse@xcelenergy.com and the sign on and password will be mailed to your email address.

Rocky Mountain
Association of Energy Engineers
Membership Form

Members may join the local Rocky Mountain Chapter of AEE at any time during the year.
Membership will run for one year from the month you join RMAEE.

Please send the completed form or attach a business card and send along with payment for your membership dues. We have 2 ways to pay – check payable to RMAEE or Credit Card (Master Card or Visa cards only).

Mail payment to:

Steve Kutska

Xcel Energy

1800 Larimer Street

Denver, CO 80202

Stephen.p.kutska@xcelenergy.com

For questions about membership call Steve Kutska at 303 571-7254.

RMAEE Local Membership Dues Form

Please complete this box or simply attach a business card and mail along with your payment.

- I am an AEE National Member – a check for \$40 is enclosed for Chapter Dues AEE Member
- I am NOT an AEE National Member – a check for \$50 is enclosed for Chapter Dues
- Annual Corporate Membership - 220.00 per year allows the company to send one employee to each meeting. This also includes one free lunch meeting.

Name _____

Company _____

Address _____

City, State, Zip _____

Phone _____

Email _____

Credit Card Information ___ Master Card ___ Visa

Card Number _____

Expiration Date _____

Name as it appears on card _____

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Continental Breakfast and Registration Opens at 7:30 AM. Conference and speakers starts at 8:30 AM.

Energy Efficiency Opportunities in the Grow Industry. Energy Efficiency Opportunities in the Grow Industry: A local grower (**Devin Liles** of The Farm), grow energy consultant (Brad Queen of Cube Resources), and a Boulder County grow regulator agent (Ron Flax) will provide a general discussion on the grow industry and how the current state of this industry are impacting energy policies and utility load as well as where the energy efficiency opportunities lie.

Private Sector Energy Performance Contracting (EPC) Program. Jeanna Paluzzi, EPC Program Manager for the Colorado Energy Office (CEO), will provide an overview of a pilot program to leverage the CEO's public sector EPC experience in the private sector. Forum participants are encouraged to provide input on design of a possible program to build on these private sector results.

Net metering and Value of the Electrical Grid. Beth Chacon with Xcel Energy's Environmental and Public Policy group will speak about Xcel Energy's view of solar in general, net metering, and the value of the grid.

Colorado Energy Office Keynote. Jeff Ackermann, Director of the CEO will talk about CEO programs and the future of energy policy in Colorado.

Cybersecurity of Building Automation Systems (BAS) and Networks. Noah Welshans, Technology Sales Development Engineer with Johnson Controls will discuss cybersecurity issues associated with building automation systems and networks critical to energy efficiency.

Small to Medium Size Building Automation. Jim Payne from the U.S. Department of Energy's Building Technology Office (DOE) will discuss efforts to develop an open source Building Automation Solution suitable for small to medium size commercial buildings. This is a space that does not have a significant presence from the major BAS players, and could yield significant energy savings with BAS implementation.

Energy/water Efficiency in Craft Brewing. Brad Queen, of Cube Resources, will give a general overview of the brewing industry specifically related to where energy is being used and what the opportunities for energy efficiency are in the industry. Odell Brewing and Powder Keg Brewing will discuss energy efficiency projects implemented in their brewery and discuss the results.

Noah Welshans Noah is currently responsible for leading sales development and adoption of technology innovations and cloud analytics utilizing building and equipment data for business decisions. Noah has worked in both a technician and sales engineer roles for Johnson Controls in Milwaukee, Denver, and Kansas City.

Emerging Technologies. David Podorson, an analyst for eSource, will discuss several new technologies including: evaporative cooling retrofits to RTUs, liquid submerged servers, cloud thermostats, zoning technology, rooftop retrofit VSDs, LED lighting, daylighting film, and commercial laundry applications.

2014 Vendor Sponsors



PENTAD ASSOCIATES, INC.
Manufacturers' Representative for Industrial Equipment



As a reminder to anyone holding an AEE certification:

Each certified professional is required to obtain Continuing Education Units (CEU) or Professional Development Hours (PDH) each renewal period. AEE does not maintain a record of your continuing education in the interim so you must maintain your own record of continuing education and complete a recertification form at the time of your renewal. A total of 10 renewal credits are required utilizing a combination of the following:

- Employment in energy activities
- Membership in a professional organization
- Office held in professional organization
- Continuing education (courses, seminars)
- Energy conference attendance
- Professional awards or published/presented papers

For more information, examples of how to tabulate credits, and how contact hours (CEUs, PDHs, etc) are converted to AEE credits see

<http://www.aeecenter.org/i4a/pages/index.cfm?pageid=3771>

Colorado Energy Events

If you know of other upcoming events that should be listed in this calendar, please contact Dan Sachse at dan.sachse@xcelenergy.com

Organization	Event	Location	Date	Contact
RMAEE	Annual Energy Forum	Police Protective Association	Oct 15, 2014	http://www.rmaee.org/
AEE	Globalcon	Pennsylvania Convention Center / Hall E Philadelphia, PA	March 17-18, 2015	http://www.globalconvent.com/
AEE	Energy Management Congress	Long Beach, CA Long Beach Convention Center	June 3-4, 2015	http://www.energyevent.com/

Colorado Governor's Energy Office:
<http://www.colorado.gov/energy/>

ASHRAE
<http://www.ashrae.org/>

Rocky Mountain Electric League
<http://www.rmel.org/>

IEEE
<http://www.ieee.org/portal/site>

Colorado Renewable Energy Society –
<http://www.cres-energy.org/events>

Solar Energy International -
<http://www.solarenergy.org/workshops>

Job Openings at CU Boulder

FM is now hiring a Superintendent, Utility & Energy Services. If you know of anyone who might be interested in applying, please send them this link.

<http://www.jobsatcu.com/postings/88563>

The deadline to apply is October 6.

FM is hiring a Utility Plant Operator in our Utilities and Energy Services division. If you know anyone who might be interested in applying, please send them this link:

<https://www.jobsatcu.com/postings/85868>

Colorado residency is NOT a requirement for this position. Applications are due on or before October 12.