

Rocky Mountain Association of Energy Engineers



Monthly Lunch Meeting
February 20, 2014
11:30 am-1 pm

Where: Indian Tree Golf Course
7055 Wadsworth Blvd Arvada

PIE and Francisco Reina will present on the building enclosure which represents the first, last, and only line of defense the conditioned interior building space and the exterior elements. It controls heat flow, moisture flow, and air flow. It provides protection from rain, snow, hail, wind, dust, pollutants, allergens and pests. It mitigates the street noise and allows us to condition the indoor environment for occupant comfort. During this informative Lunch Seminar presentation, the Fort Collins Utilities and Pie will discuss how components of traditional enclosure consulting are being incorporated into commissioning.

Stu Reeves Building Energy Manager City of Fort Collins will also present on this topic.

To register on line click on [Lunch Registration](#). If you need a vegetarian entrée please click on [vegetarian](#).

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Presidential Wisdom

What's Happening in our Industry

Here's a link to AEE Conferences for 2014 – GlobalCon (Atlantic City April 9-10), EMC (Seattle June 25-26), and WEEC (Washington DC October 1-3): <http://www.aeeprograms.com/shows/>
Also, AEE has its own YouTube Channel with AEE videos like “The Importance of the Certified Energy Manager Designation” at: <http://www.aeecenter.org/i4a/pages/index.cfm?pageid=4058>

ASHRAE Announced the 4th Edition of Green Guide:

<https://www.ashrae.org/news/2014/ashrae-greenguide-four-editions-10-years-158-greentips-e-book-made-available>

Also, ASHRAE 50% Advanced Energy Design Guides (4) are available for free download as pdfs at: <https://www.ashrae.org/standards-research--technology/advanced-energy-design-guides>

Monthly Meetings Info

We thank Adam Perry, Senior Energy Services Specialist, Platte River Power Authority for his excellent presentation on PRPA's rebate program for high-efficiency RTUs based on a pilot program and evaluation of actual savings achieved.

The February 20th, 2014 meeting will be a presentation from Stu Reeves of Poudre Valley School District and Francisco Reina of PIE on building envelopes – from an owner's perspective and a forensic engineer's perspective. Indian Tree Golf Club (7555 Wadsworth Blvd in Arvada) from 11:30 AM to 1:00 PM.

AEE Certifications

Just a reminder that we are holding the CEM class and test in Denver on May 1st & 2nd, 5th, 6th, and 7th. We have a cap of 35 students so space is limited. Please tell others you know that might be interested. Also if you are planning on taking the course, please remember that you need to have your CEM application into AEE a couple months before the test. If you haven't already done so, please download the application and review what is needed:

<http://www.aeecenter.org/i4a/pages/index.cfm?pageid=3351#HowToApply>

If there are other AEE certifications you are interested in obtaining, please communicate that to a Board member. If there is enough interest in other courses, we are willing to explore expanding this service to regional folks.

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, please see:

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

We are looking forward to seeing you at the meetings and invite your input to make RMAEE an even stronger and more valuable organization to our community.

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 _____

Association of Energy Engineers

Rocky Mountain Chapter

AEE Certified Energy Manager Seminar and Exam

May 1 - 2 & 5 - 7, 2014 Sponsored by RMAEE

Location

The class will be held at: Colorado Center for Renewable Energy Economic Development (CREED)
14062 Denver West Parkway Building 52, Suite 300 Golden, CO 80401

When

The 5 day Certified Energy Manager Seminar and Exam dates are May 1 - 2 and 5-7.
Sessions start at 8AM and end at 5PM.

Qualifications

All candidates must submit their CEM Applications to the Association of Energy Engineers AEE (Atlanta GA) and obtain approval to attend the CEM Seminar before April 15, 2014. Please send all questions regarding a student's qualifications must be reviewed and approved by AEE in Atlanta GA.

See note 1 below.

For information on the qualifications please go to the National AEE website
<http://www.aeecenter.org/i4a/pages/index.cfm?pageid=3351>

Payment

Financial arrangement must be made by March 28, 2014. Checks will not be cashed and Credit cards (VISA and MC only) will not be run until April 4, 2014. All students will be notified on April 7th of their final acceptance in the seminar.

Cancellation Policy

RMAEE reserves the right to cancel the seminar and return all fees collected if a minimum of 20 students have not signed up and paid their fees by close of business March 28, 2014. RMAEE will notify all attendees by close of business April 4, 2014 if the seminar has been cancelled. There will be a 100% cancellation charge for any attendee cancellation after April 4, 2014. A substitution of an attendee will be allowed until April 28th, if for some reason the original attendee cannot attend. To maximize the value of your investment any substitute attendee should meet the Association of Energy Engineers qualifications for CEM certification.

Sign up information

Please contact Steve Kutska at : stephen.p.kutska@xcelenergy.com if you are interested in signing up. Payment options include check, Visa, and Master Card. Sign up deadline is March 28, 2014. Make Checks payable to **RMAEE**.

Seminar Fee: Attendee per person: \$1,850.00

Non-Profit Organizations Per person: \$1,700

Send payments to

Xcel Energy
Attn: Steve Kutska
1800 Larimer St.
Denver Colorado 80202

Notes:

1. The application and test fee required by AEE with your application submittal is included in the Seminar prices above. **Please do not pay that fee when you submit your application to AEE.** Please send a note with your application submittal to AEE saying that you are attending the May, 2014 CEM Seminar in Denver which is sponsored by RMAEE.
2. Lunches and refreshments at breaks are included in the seminar fee.

Commissioning Agent/Project Manager - Iconergy, Ltd.

Company Info:

Iconergy is a growing commissioning and energy engineering firm comprised of experienced commissioning, energy engineering, and design/build professionals who have come together through their shared commitment to project excellence. We provide a variety of energy services including commissioning, retrocommissioning, energy audits, LEED Consulting, and energy performance contracting.

Iconergy as a firm is highly customer focused, providing innovative yet practical energy engineering and sustainability solutions for the built environment.

Iconergy is a company comprised of experienced professionals driven by a passion for making a difference in the market place. Iconergy's daylit office is located near downtown Denver. Employment benefits at Iconergy include RTD pass, monthly gym membership reimbursement, 401K, and health care.

Open Position:

At this time, Iconergy is seeking a Commissioning Agent who also has Project Management and Energy Engineering experience. Individual will be responsible for executing and managing various commissioning and energy engineering projects ranging in size and complexity while balancing project deadlines and client needs. Iconergy Commissioning Agents and Energy Engineers can provide turnkey energy solutions independently but also are called on to collaborate with both colleagues and clients. In addition, they have significant client interaction during all phases of a project.

Preferred Qualifications:

- Bachelors of Science Degree in Engineering or similar discipline
- 5 Years Experience in Commissioning and Project Management, more preferred
- PE Preferred (or willing to sit for test)
- Commissioning Certification Preferred, BCxA – Certified Professional, ASHRAE Commissioning Process Management Professional, or similar.
- Building Controls experience a plus
- Design experience a plus
- RCx, Energy Auditing and/or EPC experience would be highly valued
- Willingness for some travel: overnight travel less than 20%

Interested Individuals Contact Iconergy at:

info@iconergyco.com

Denver is one of 10 Cities selected for the new City Energy Project

Kansas City and Denver were among 10 cities selected out of 22 that applied for the City Energy Project being run by the Natural Resources Defense Council and the Institute for Market Transformation. The other cities are Atlanta, GA, Boston, MA, Chicago, IL, Denver, CO, Houston, TX, Los Angeles, CA, Orlando, FL, Philadelphia, PA, and Salt Lake City, UT. Murphey said the Institute for Market Transformation will pay salary and expenses of a new employee to be based at City Hall over the next three years to help major corporations and institutions improve their energy efficiency. The program will provide free assessments and training on the best ways to upgrade buildings with new lighting, windows, heating and cooling systems, and other features.

Denver is one of the 10 cities chosen for this exciting project. You can read more about Denver's selection and the project at the following links.

http://www.bizjournals.com/denver/blog/earth_to_power/2014/01/denver-commercial-buildings-the-target.html?page=all

<http://www.imt.org/news/the-current/mayors-from-10-major-cities-unite-to-cut-climate-pollution-from-buildings>

Greg Bradshaw of Bradshaw Building Services is looking for more information on this program. Please contact Greg at greg@bradshawbuildingsolutions.com if you have information to share.

Dr. Doug McKenzie-Mohr is the founder of community-based social marketing.

Recommended by Time magazine, his book "Fostering Sustainable Behavior" has become requisite reading for those who deliver environmental programs. The approaches that Dr. McKenzie-Mohr advocates in these workshops are now being utilized globally. For example, Queensland's "Home WaterWise Service" and "ClimateSmart Home Service," which reached over 500,000 households across the state, made extensive use of community-based social marketing. Dr McKenzie-Mohr has delivered community-based social marketing workshops internationally for over 60,000 environmental program managers. Below is a small sample of recent anonymous evaluations:

- Fantastic, simply invaluable.
- This is hands-down the most valuable workshop/training I've ever attended.
- Speaker was wonderful.
- The best workshop/conference I have ever experienced.
- Outstanding presentation style. Expertise is obvious.
- Superb presentation skills.
- By far, the best workshop I have attended – on any topic!

Who should Attend?

These workshops will be of interest to those working to promote waste reduction, water and energy efficiency, conservation, modal transportation changes, watershed protection, and other sustainable behavior changes. Those who work to promote behavioral changes that promote health, such as active lifestyles, will also benefit from attending. Descriptions of both workshops are provided below.

Introduction (May 20-21): The two-day introductory workshop provides a comprehensive introduction to community-based social marketing and how it is being applied throughout the world to foster sustainable behaviors. Those who attend the workshop will learn the five steps of community-based social marketing (selecting behaviors, identifying barriers, developing strategies, conducting pilots, and broad scale implementation) and be exposed to numerous case studies illustrating its use. Each participant will

receive a copy of the new edition of "Fostering Sustainable Behavior: An Introduction to Community-Based Social Marketing." The introductory workshop is a *mandatory* prerequisite for the advanced workshop.

Advanced (May 22-23): This completely new two-day advanced workshop provides an in-depth exploration of how community-based social marketing can be used to foster sustainable behavior. This workshop introduces new research on selecting behaviors, identifying barriers and benefits (including market segmentation, survey sampling and survey creation), applying behavior change tools (including some exciting new developments regarding the use of commitments, norms, prompts, goal setting, and social diffusion), and piloting programs. The workshop also addresses the effective use of social media and websites in the fostering of sustainable behavior. Further, participants will also be coached in making community-based social marketing presentations to their agency or community and will receive PowerPoint and Keynote presentations for this purpose. Finally, each participant will receive a copy of the new edition of "Fostering Sustainable Behavior: An Introduction to Community-Based Social Marketing." To ensure a high level of learning and exchange of ideas, this workshop is restricted to individuals who have previously attended Dr. McKenzie-Mohr's introductory workshop. If you have not yet attended an introductory workshop, you can attend the introductory workshop that precedes the advanced workshop in Denver and then attend the advanced workshop as well. Reduced rates are available for attending both sessions.

Details:

Both the Introductory and Advanced workshops are being held at the Environmental Training Center (301A), Red Rocks Community College, 13302 Fox Run Rd., Lakewood, Colorado, 80228. The light rail stops some 200 yards north of the Environmental Training Center. The workshops begin at 9:00 am on both days. Both workshops will finish at 4:30 pm on the first day and at 4:00 pm on the second day. We would ask that you arrive by 8:30 am on the first day of either workshop so that we can deal with registrations prior to our start. Venue information will be emailed to registrants. Workshop attendees receive a copy of Dr. McKenzie-Mohr's book, "Fostering Sustainable Behavior: An Introduction to Community-Based Social Marketing (3rd Edition)" at the event. Lunch on both days is included in the registration fee. **Additional**

Information and Registration:

<https://register.cbsm.com/workshops/denver-colorado-2014>

CALL FOR NOMINATIONS

DEADLINE FOR NOMINATIONS: FEBRUARY 19, 2014

- * Do you know an energy professional whose work deserves recognition?
- * Have you seen the results of an outstanding energy project?
- * Has a company, agency or organization impressed you with its highly successful energy management plan?

Through our Awards Programs, AEE shines the light on the important work that is being done in energy by individuals, organizations, agencies, and corporations. By identifying those who exemplify the very best in their fields, energy professionals are honored and the industry is advanced.

Winners in the International Awards Program will be recognized at the AEE Awards Banquet Wednesday evening, October 1, 2014, in Washington, DC, in conjunction with the 2014 World Energy Engineering Congress (WEEC).

Winners in the Regional Awards Program will receive their awards at 4:00 p.m. on Tuesday, September 30, at the Washington Convention Center.

Please note that nominations cannot be accepted after February 19, 2014.

To make nominations, visit:
www.aeecenter.org/awards

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	Monthly Lunch Meeting	Indian Tree Golf Course Arvada, CO	February 20, 2014 11:30 am - 1 pm	http://www.rmaee.org/
RMAEE	CEM class and Exam	Colorado Center for Renewable Energy Economic Development (CREED) 14062 Denver West Parkway Building 52, Suite 300 Golden, CO 80401	May 1 - 2 & 5 - 7, 2014	Steve Kutska for Information
RASEI	The 2014 Martz Winter Symposium: Natural Resource Industries and the Sustainability Challenge	Wolf Law Building Boulder, Colorado	February 27-28, 2014	http://rasei.colorado.edu
CCIA	2014 Made In Colorado Event	McNichols Building	April 23, 2014	http://coloradocleantech.com

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>

Colorado Governor's Energy Office:

<http://www.colorado.gov/energy/>

ASHRAE

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

Rocky Mountain Electric League

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