

# Rocky Mountain Association of Energy Engineers

**Monthly Lunch Meeting**  
**April 16, 2015 11:30-1:00**



Where: Indian Tree Golf Course  
7055 Wadsworth Blvd Arvada

Ground-Source Heat Pumps and why they are the system recommended by ASHRAE for NZEBuildings

Trey Austin, PE, CGD - Founder and Principal of Geo-Energy Services in Littleton, ground-source heat pump expert and Board Member of IGSHPA.

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

## RMAEE Board of Directors

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RAD Energy Systems LLC  
303-489-2774

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Open

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303-571-7254

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# Presidential Wisdom

## *What's Happening in our Industry*

**CEM Class and Exam** hosted by RMAEE is planned for **June 25<sup>th</sup>, 26<sup>th</sup>, 29<sup>th</sup>, and 30<sup>th</sup>** with the exam on **July 1<sup>st</sup>**. We need at least 20 participants to make it work so **please share the opportunity** with any and all fellow workers, organizations, or complete strangers you meet over the next month.

### **Local Sign up information:**

Please contact Steve Kutska at: [stephen.p.kutska@xcelenergy.com](mailto:stephen.p.kutska@xcelenergy.com) if you are interested in signing up. Payment options include check, Visa, and Master Card. Sign up deadline is May 5, 2015. Make Checks payable to **RMAEE**.

A reminder that the **RMASHRAE Technical Conference** is approaching - **April 24<sup>th</sup>** at the Sheraton Hotel on Union Boulevard in Lakewood. (6<sup>th</sup> and Union area immediately west of the Federal Center). Several RMAEE members are usually presenters and this is usually a valuable 1-day conference.

**From AEE (National):** <http://www.aeecenter.org/>

### **On-Demand Seminars**

<http://aee.peachnewmedia.com/store/provider/provider09.php>

**Welcome to the On Demand Training Center!** Here you can select from a variety of On Demand seminars to bolster your knowledge, and earn AEE re-certification credits, CEUs, PDH and prepare for certification programs.

This is also an important reminder to join or renew membership in AEE (National) to maintain your certifications, especially CEM.

### **Other Resources at AEE:**

- **AEE YouTube video channel** - [www.youtube.com/aee](http://www.youtube.com/aee). Numerous informative videos on a wide range of energy efficiency topics are available here.
- **Upcoming Conferences 2015 –**
  - **Energy Management Congress (EMC) June 3-4, 2015**, Long Beach Convention Center, Long Beach, CA. [www.energyevent.com](http://www.energyevent.com)
  - **WORLD ENERGY ENGINEERING CONGRESS (WEEC), September 30-October 2, 2015**  
Orlando, FL. <http://www.energycongress.com/>

## *Monthly Meetings Info*

**The March 19<sup>th</sup>, 2015 meeting** was a presentation by Trey Austin - Principal of Geo Energy Services - on Ground-Source Heat Pumps. Great information was presented on the critical nature of proper sizing and design as well as why GSHPs can be the best mechanical systems for developing Net-Zero Energy Buildings (NZEBS). Our thanks to Trey for his presentation.

### **From Industry Newsletters (tidbits from around the industry):**

#### *ACEEE Links to interesting websites:*

Smarter Home website gives a quick series of steps to evaluate and improve energy efficiency of houses

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

Green cars website compares so-called green vehicles of various types

<http://greencars.org/>

#### *Energy Vortex Newsletter:*

In 2014, more than 10% of the electricity used in the grid covering most of Texas came from wind generation, according to the grid's operator, the Electric Reliability Council of Texas (ERCOT).

<http://www.energyvortex.com/pages/headlinedetails.cfm?id=7244>

#### *Other sources of EE/RE Information:*

GreenTech Media - <http://www.greentechmedia.com/articles/category/efficiency>

Bloomberg News has an Energy Efficiency section with current headlines -

<http://topics.bloomberg.com/energy-efficiency/>

A new site I just discovered - <http://www.dailyenergyreport.com/> Truly wide variety of EE and RE news.

And Renewable Energy World has an Energy Efficiency section now -

<http://www.renewableenergyworld.com/rea/home/energy-efficiency>

We always 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

Sincerely,

Thom W. Johnson

RMAEE Chapter President 2015

## Membership – It may be 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](http://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](mailto:dan.sachse@xcelenergy.com) and the sign on and password will be mailed to your email address.

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](mailto:dan.sachse@xcelenergy.com).

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](mailto: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 \_\_\_\_\_

## 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>

# Association of Energy Engineers

Rocky Mountain Chapter



## AEE Certified Energy Manager Seminar and Exam June 25 – July 1, 2015 Sponsored by RMAEE

### Location

Greater Metro Denver Area

### When

The 5 day Certified Energy Manager Seminar and Exam dates are June 25 - 26 and June 29 – 30 with the exam on July 1. Sessions start at 8 AM and end at 5 PM.

### 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 May 15, 2015. Please send all questions regarding a student's qualifications to AEE in Atlanta. All caudate applications must be reviewed and approved by AEE in Atlanta GA. **See note 1 below.**

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

### Payment

Financial arrangement must be made by May 15, 2015. Checks will not be cashed and Credit cards (VISA and MC only) will not be run until May 22, 2015. All students will be notified on April 7<sup>th</sup> 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 tuition fees by close of business May 15, 2015. RMAEE will notify all attendees by close of a business May 22, 2015 if the seminar has been cancelled.

There will be a 100% cancellation charge for any attendee cancellation after May 22, 2015. A substitution of an attendee will be allowed until June 19, 2015, 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](mailto:stephen.p.kutska@xcelenergy.com) if you are interested in signing up. Payment options include check, Visa, and Master Card. Sign up deadline is May 15, 2015. Make Checks payable to **RMAEE**.

**Seminar Fee:**

**Attendee per person** **\$1,900.00**

**Non-Profit Organizations**  
**Per person** **\$1,800.00**

**Send payments to**

Xcel Energy

Attn: Steve Kutska

1800 Larimer St.

Denver Colorado 80202

We will accept credit card payments over the phone. Please call Steve Kutska at 303-571-7254

**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 June, 2015 CEM Seminar in Denver which is sponsored by RMAEE.
2. Lunches and refreshments at breaks are included in the seminar fee.
3. Any questions regarding the application or your qualifications, please contact AEE in Atlanta. Any questions regarding the seminar in Denver, please contact Steve Kutska at: [stephen.p.kutska@xcelenergy.com](mailto:stephen.p.kutska@xcelenergy.com) or call 303-571-7254



# 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](mailto:dan.sachse@xcelenergy.com)

Organization	Event	Location	Date	Contact
RMAEE	Monthly Lunch Meeting	Indian Tree Golf Course	April 17, 2015	<a href="http://www.rmaee.org/">http://www.rmaee.org/</a>
CC	Colorado On The Cutting Edge Of Energy Innovation	Powerhouse Energy Campus at CSU	April 15, 2015 5p-8p	<a href="http://coloradocleantech.com/">http://coloradocleantech.com/</a>
AEE	Energy Management Congress	Long Beach, CA Long Beach Convention Center	June 3-4, 2015	<a href="http://www.energyevent.com/">http://www.energyevent.com/</a>

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/workshop>