

Rocky Mountain Association of Energy Engineers

Annual Holiday Party December 10, 2015 4-6p

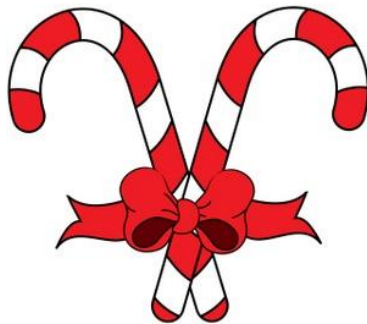


Where: Indian Tree Golf Course
7055 Wadsworth Blvd Arvada

The December meeting will be a Holiday get-together at the Indian Tree Golf Course. Snacks and drinks will be provided for another of our annual networking opportunities. Board Members will be there to host.

Every guest will get two drinks and snacks will be provided.

To attend the meeting please click [Annual Holiday Party](#)



RMAEE Board of Directors

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Thom Johnson
RAD Energy Systems LLC
303-489-2774

Vice President

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Steve Kutska Xcel Energy
303-571-7254

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Board Member

John Winkel
720-244-2499

Board Member

Curt Cole

Board Member

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Presidential Wisdom

What's Happening in our Industry!

From Industry Newsletters (tidbits from around the industry):

HVAC&R Industry (ASHRAE Newsletter):

Proposed Tallest Building to be Net Zero – in Iraq

<http://listman.ashrae.org/t/5695722/36010494/13443/30/>

BASRA, Iraq—Iraq's Basra Province is planning to build a 1,152 m (3,780 ft) skyscraper, which will be taller than Dubai's 829.8 m (2,722 ft) Burj Khalifa, currently the tallest building in the world, and the under-construction 1 km (3,280 ft) Kingdom Tower in Jeddah, Saudi Arabia. The 230-story Bride Tower, proposed by AMBS Architects, will consist of four conjoined towers. AMBS intends to make the project net zero energy. According to AMBS, because temperatures consistently reach 43°C (110°F) during summers in Basra, the surplus of solar energy in the region make it a prime candidate to successfully implement such a design. The proposed structure will be covered by a glazed canopy on its south facade that resembles a veil. It is designed to provide shade to the project's low-rise buildings and public areas. The three other towers within the project are set to be 724 m (2,375 ft), 484 m (1,588 ft) and 61 m (200 ft). EERE Network News (www.Energy.gov):

Energy Department Launches New Initiative to Help Cities, States Advance Building Efficiency

The Energy Department on November 9 announced the launch of the SEED Collaborative, a strategic effort to help cities and states manage building energy performance data and identify opportunities for efficiency improvements in their jurisdictions. Through a three-year partnership, a select group of cities and states will receive technical assistance, participate in peer exchange, and provide input on future development of the Energy Department's Standard Energy Efficiency Data (SEED) Platform, a resource in the Better Buildings toolkit. Participants will be announced early next year.

This will help reduce the time, cost, and resources needed to manage data from different sources across diverse portfolios of buildings. See the Energy Department news release and the SEED Web page.

AEE Newsletter:

Manufacturers in Energy Department's Better Plants Program Save More than \$2 Billion in Energy Costs

The U.S. Department of Energy announced that manufacturers in its Better Buildings, Better Plants Program (Better Plants) have racked up an estimated \$2.4 billion in cumulative energy cost

savings over the last five years. Across America, manufacturers spend more than \$200 billion each year to power their plants. As part of the Obama Administration's efforts to double energy productivity, American manufacturers and water and wastewater treatment agencies made a voluntary commitment to improve energy intensity by about 25 percent over ten years, or an equally ambitious level for their sector, through the Better Plants Program. Read on.

Monthly Meetings Info

The Nov 19th meeting was very well attended and featured Group 14 presenting Monitoring-Based Commissioning case studies using SkySpark™. Our thanks to Celeste and Eric for a very informative presentation.

The December meeting will be a Holiday get-together at the Indian Tree Golf Club on December 10th from 4-6PM. Snacks and drinks will be provided for another of our annual networking opportunities. Board Members will be there to host.

Other Events in the State

Wednesday, December 9, 2015

The EPA Region 8 Office in Denver, Colorado, is hosting a Clean Power Plan (CPP) community meeting on Wednesday, December 9, 2015. The meeting will be held in our conference center at 1595 Wynkoop Street, Denver, Colorado, 80202 - from 1:00 to 4:00pm Mountain Time.

RSVP: Due to room constraints, in-person attendance is limited to 60 participants. A phone line and webinar link will also be provided for remote participation. To reserve your space in the meeting, please "Reply All" [Farris.Laura@epa.gov, Manzanares.Candice@epa.gov] with your name and affiliation by Wednesday, December 2, 2015, and indicate if you would like to attend in person or remotely.

March 7-9, 2016

CoSEIA – 2016 Solar Power Colorado

Omni Resort and Conference Center, Broomfield, Colorado (Denver Area)

RMASHRAE – Monthly Meetings are 1st Wednesday of each month. Nov 4th and Dec 2nd See: www.rockymtnashrae.com

Board and Membership

This is also a friendly reminder to update your membership in the Chapter and/or National AEE. Remember that your attendance at the Forum got you 1.6 Credits of the 10 needed annually for AEE Certification maintenance, especially CEM.

As always, we need more members to volunteer to be on the Board, please. Contact any Board member if you are interested. We are welcoming Victor Prep to the Board this month from ERG Consulting.

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, 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. 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.

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.

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 _____

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>

RMAEE Notes for Insight

RMAEE Chapter has over 100 members represented by an 11-member Board. We have monthly public meetings with a speaker on an energy topic with a catered lunch Jan, Feb, Mar, Apr, May, Aug, Sep, and Nov each year. October each year is our Annual Energy Forum. December each year we have a Holiday get-together, a networking party. And every other year we try to host a CEM workshop w/ exam. For 2015 please see below for our events.

Our 16th Annual Energy Forum (October 22) was very successful with 92 attendees and 6 exhibitors -

- 8 Presentations during the day covered a range of topics - and our keynote speaker was Ron Binz, former Chair of the Colorado Public Utilities Commission and President Obama's nominee for head of FERC in 2014.
- Colorado's possible responses to EPA Clean Power Plan (Rule 11 (d)) – Will Allison, CDPHE
- EPC Case studies from client perspective – Dalton Jones, Arapahoe County; Chris Fagnant, Qualtek; University of Colorado, Boulder; Tom Ochtera, City of Westminster
- Net Zero Energy Projects on US Army Bases – Colton Heaps, NREL
- CSU Solar PV Case Study – Carol Dollard, CSU Facilities

Keynote: Ron Binz on Grid 2.0 policy developments

- DC Microgrids – John Phelan, City of Fort Collins Utilities
- Energy Efficiency in Agriculture – Sam Anderson, Co Dept of Agriculture

Introduction of 4 Students awarded AEE Scholarships 2015

- Commercial Property Assessed Clean Energy (PACE) – Paul Scharfenberger, Co Energy Office
- Investor Confidence Project (ICP) – Tracy Phillips
- The Forum was held at the Denver Police Protective Association Building and they have been great hosts
- We always provide breakfast items, snacks for breaks, and a catered lunch
- CEM Workshop and Exam – June 25, 26, 29, 30th w/Exam July 1
- 10 students attended and took the exam
- Clint Christenson was the instructor and was well-received
- Various Board Members hosted each day, providing snacks and drinks for students
- Lunches were catered each day of the workshop

Monthly Public Meetings

- Jan - Environmental Defense Fund's Investor Confidence Project Tracy Phillips, Project Technical Lead, 7th Gen Energy Solutions
- Feb - Life Safety Systems Integration Greg Bradshaw, Bradshaw Building Solutions, Inc.
- Mar - GeoExchange Systems: Technology Utilization to get to ZNE Trey Austin, Geo-Energy Services, LLC.
- Apr - Colorado Dairy and Irrigation Efficiency Program Michael Turner, Colorado Energy Office.
- May - Repurposed Materials Damon Carson - repurposedMATERIALS.
- Sep - Renewable Energy Technology and Market Overview David Mooney, Ph.D - NREL
- Nov - Improving School Operation with Monitoring-Based Commissioning Celeste Cizik, Group 14 Engineering

SAVE THE DATE

The EPA Region 8 Office in Denver, Colorado, is hosting a Clean Power Plan (CPP) community meeting on Wednesday, December 9, 2015. The meeting will be held in our conference center at 1595 Wynkoop Street, Denver, Colorado, from 1:00 to 4:00pm Mountain Time.

The purpose of the meeting is to share information and solicit feedback from community representatives on the CPP elements that are out for public comment, including the proposed federal plan and model trading rules. The meeting will provide information on how the proposed rulemakings potentially impact your community, and how you can submit comments. We will also discuss the Clean Energy Incentive Program, a program to reward early action and investments in renewable energy and energy efficiency, and various tools and resources that EPA and other federal agencies have to facilitate adaptation to the impacts of climate change and build resiliency.

Date: Wednesday December 9, 2015

Time: 1:00 – 4:00 p.m. Mountain Time

Location: EPA Region 8 Conference Center, 1595 Wynkoop St., Denver, CO 80202

RSVP: Due to room constraints, in-person attendance is limited to 60 participants. A phone line and webinar link will also be provided for remote participation. To reserve your space in the meeting, please “Reply All” to this email with your name and affiliation by Wednesday, December 2, 2015, and indicate if you would like to attend in person or remotely.

More details on the agenda and meeting logistics will be sent at a later date. Please forward this invitation on to other community representatives that may have an interest

Additional information on the CPP is available on the EPA CPP Website:

<http://www2.epa.gov/cleanpowerplan>

and the CPP Community Page:

<http://www2.epa.gov/cleanpowerplan/clean-power-plan-community-page>

Please contact me or Ethan Aumann (Aumann.ethan@epa.gov or 303-312-6773) if you have any questions on the CPP or this meeting.

Sincerely,

Laura

farris.laura@epa.gov

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 Holiday Party	Indian Tree Golf Course	December 10, 2015	http://www.rmaee.org/
RMASHRAE	Monthly Meetings		1 st Wednesday of each month	http://www.rockeymtnashrae.com
EPA	Clean Power Plan (CPP)	1595 Wynkoop St. Denver, CO	December 9, 2015	Please email: Farris.laura@epa.gov Manzanares.candice@ema.gov
CoSEIA	2016 Solar Power Colorado	Omni Resort Broomfield, CO	March 7-9, 2016	

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/worksho>