

# Rocky Mountain Association of Energy Engineers

**Monthly Lunch Meeting**  
**Jan 15, 2015 11:30-1:00**



Where: Indian Tree Golf Course  
7055 Wadsworth Blvd Arvada

The Environmental Defense Fund developed the Investor Confidence Project (ICP), which is implementing a system to standardize Commercial and Multifamily energy efficiency projects from single measure to whole building retrofits.

This presentation describes how to leverage ICP's six Energy Performance Protocols and project development resources that address commercial and multifamily energy efficiency project development. It details the elements, procedures and documentation required of a sound retrofit project, from single energy conservation to multi-million dollar investment, addressing the key components of project development, including: baselining; savings calculations; design, construction and operational performance verification; operations, maintenance and monitoring; and measurement and verification.

ICP creates a path for Project Developers to bring projects to market, creating substantial value for energy engineers, and defines a role for third party quality assurance. The protocols and resources are designed to reduce transaction costs while increasing the reliability and consistency of savings through standardization, best practices, and quality management.

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

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Open

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This system is supported by hundreds of energy finance companies, banks, project developers, engineering firms, programs, and utilities. Programs leveraging ICP include Commercial PACE Programs in California, Texas, and Connecticut, as well as a host of state, local, and utility programs. ICP is developing protocols for both the North American and European markets.

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[www.eepformance.org](http://www.eepformance.org)

**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).

## **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](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.

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>

## Monthly Lunch Meeting

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Click on [www.eepperformance.org](http://www.eepperformance.org) for more information

# Denver and Minneapolis Fostering Sustainable Behavior Workshops

The cornerstone of sustainability is behavior change. If we are to move toward a sustainable future we must encourage the adoption of a multitude of actions (e.g., waste reduction, water and energy efficiency, pollution prevention, etc.). To date, most programs to encourage such activities have relied upon disseminating information. Research demonstrates, however, that simply providing information has little or no effect on what people or businesses do. But if not ads, brochures or booklets, then what? Over the last decade a new approach—community-based social marketing—has emerged as an effective alternative for delivering programs to foster sustainable behavior.

I will be delivering introductory and advanced community-based social marketing training in Denver and Minneapolis - St. Paul in June of 2015. These workshops will be of interest to those working to promote water efficiency, waste reduction, 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. Community-based social marketing is a unique approach to fostering both environment and health related behavioral changes and is now being utilized in thousands of programs across the globe. For example, community-based social marketing serves as the foundation for watershed protection programs in the counties of San Diego and Santa Barbara and environmental behavioral change programs in San Francisco. Descriptions of both workshops are provided below (early-bird pricing is in effect until February 27th).

Denver Registration Site: <https://register.cbsm.com/workshops/denver-2015>

Minneapolis - St. Paul Registration Site:

<https://register.cbsm.com/workshops/minneapolis-2015>

# 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	January 15, 2015	<a href="http://www.rmaee.org/">http://www.rmaee.org/</a>
AEE	Globalcon	Pennsylvania Convention Center / Hall E Philadelphia, PA	March 17-18, 2015	<a href="http://www.globalconevent.com/">http://www.globalconevent.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>
CRES	NCRES Speaker Series	Odell Brewery Fort Collins, CO	January 20, 2015	<a href="http://www.cres-energy.org">http://www.cres-energy.org</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>



# Job Posting

## McKinstry

**Position:** Measurement and Verification Analyst

**Location:** Denver, CO

### Description:

We are currently seeking a Measurement and Verification Analyst to join the team as a member of our growing energy services division located in Golden, Colorado.

McKinstry's success isn't a matter of fate or luck. It's the natural consequence of our commitment to innovation...how we support our employees...the unique truly integrated way we deliver...the long-term relationships we forge with our clients...and our unwavering commitment to creating buildings that are good to their owners, occupants, and the environment. Innovation runs on ideas, which can come from anywhere. Projects at McKinstry are not owned by individuals or departments, but by all of us, which is why it's common to see new employees from one discipline collaborating with 30-year veterans from another.

Established in 1960, McKinstry is a full-service design, build, operate and maintain (DBOM) firm with over 1,600 employees. McKinstry's professional staff and trades people deliver consulting, construction, energy, and facility services. As an early adopter of the DBOM process, the company advocates collaborative and sustainable solutions that are designed to ensure occupant comfort, improve systems efficiency, reduce facility operational costs, and ultimately optimize client profitability for the life of their building. While we are well known for our expertise in design build delivery, our full service offerings of mechanical, electrical, data and plumbing have been the hallmark of our success.

### **This person will be responsible for:**

#### *Project Management*

- Develop and document detailed Measurement and Verification (M&V) plans for energy projects.
- Coordinate vendors and sub-contractors.
- Define project monitoring.
- Assess and communicate project risk.
- Ensure guaranteed savings is met.
- Document and report on financial performance of projects.
- Conduct pre- and post- measurements and construction surveys.
- Coordinate with internal and external resources for collection of performance data.
- Generate reports as required to document project and service performance.
- Maintain baseline facility data.
- Benchmark performance.

#### *Analysis*

- Analyze utility usage patterns of designated client facilities to establish a utility base-line and track reduction due to implementation of conservation measures.

- Document “as-built” conditions and associated client benefits after project completion.
- Develop draft reports outlining client benefits.
- Review and discuss analysis results with regional Performance Assurance Specialists.
- Collect Emission-Reduction performance and relate project performance to sustainable goals.

#### *Communicate*

- Facilitate communication internally between project team and other departments.
- Communicate with vendors, subcontractors and clients about technical areas of expertise.
- Communicate technical service benefits, monitoring project status and other coordination requirements to the client.
- Communicate and present final reports to client after project completion.
- Identify, qualify and funnel potential new service opportunities to Business Development team.
- Coordinate with regional offices for execution of nationwide M&V program.
- Document best practices and lessons learned to improve design and operational practices.

#### **Qualified candidates will possess the following:**

##### *REQUIRED EDUCATION, KNOWLEDGE and ABILITIES*

- BA/BS degree in Mechanical Engineering, Electrical Engineering, Architecture, Facilities Management or equivalent field of study or equivalent work experience required.
- Certified Measurement and Verification Professional (or able to achieve certification in first year of job) required.
- Some construction or engineering-related work experience required.
- Expert knowledge in Microsoft Excel required
- Knowledge of:
  - Construction management, energy calculations and industry standard efficiency improvement measures, financial acumen preferred
  - IPMVP and FEMP requirements preferred
  - Financing options and utility incentives preferred
  - Project performance tracking and results evaluation preferred
  - Energy tracking and modeling software preferred
  - Prior experience on EPC projects preferred
- Intermediate working knowledge of Microsoft Word, Outlook and Project required; working knowledge of SharePoint preferred, knowledge of CRM a plus.
- Building commissioning or operational efficiency consulting experience preferred.
- Energy consulting experience or education preferred.

#### *Physical Demands and Work Environment*

- Ability and willingness to travel.

- Provide personal transportation for meetings and job visits away from the office; reimbursed.

Our company culture includes a robust mix of sound business practices and employee initiatives that promote personal and professional development, work/life balance, health and wellness and community involvement.

The Company is an equal opportunity employer. We believe every employee has the right to work in surroundings that are free from all forms of unlawful discrimination. We are committed to providing equal employment opportunity to all employees and applicants without regard to race, color, religion, gender, national origin, age, disability, ancestry, creed, marital status, sexual orientation, or Veteran or military status, genetic information or any other basis prohibited by local, state or federal law in the relevant jurisdiction. This policy applies to all terms and conditions of employment including, but not limited to employment, advancement, assignment and training.

McKinstry is committed to strengthening our diversity through recruiting and retaining minority and women professionals from all backgrounds. Our commitment is consistent with our recognition that it is the outstanding people within McKinstry who have always been the source of our strength. We recognize that promoting diversity is an integral component of our continuing quest for organizational excellence.

This commitment to Equal Employment Opportunity is made equally as a social responsibility and as an economic and business necessity.

Anyone with questions or concerns regarding Equal Employment Opportunity should contact their direct supervisor or the Human Resources Department without fear of retaliation of any kind.

**To Apply:**

<http://ch.tbe.taleo.net/CH05/ats/careers/requisition.jsp?org=MCKINSTRY&cws=1&rid=2543>

**OR**

**Send resume to:** [mckhr@mckinstry.com](mailto:mckhr@mckinstry.com)