

Rocky Mountain Association of Energy Engineers



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

Where: Indian Tree Golf Course
7055 Wadsworth Blvd Arvada

Interest from the building management community to monitor building energy usage and use that information to educate occupants has been increasing. There are many software products that monitor building usage and present it in a visually aesthetic way (often referred to as energy information systems or dashboards). We will break down the differences between many of the dashboard products, discuss how the various dashboard features can be used to manage energy usage, and how dashboard information can be used to build a business case for other energy efficiency work. We will also utilize real building examples to illustrate how this information can be transformed into actionable data.

Presenter Bios:

Jess Lorentz of Upkeep Energy has worked with clients to identify what dashboard product is right for them and how to utilize the information they receive from the dashboard product.

Peter Widmer is Vice President of Power TakeOff, which offers a dashboard product utilized by Xcel Energy's InfoWise program and C&I customers across North America and Europe.

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

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Eaton / EMC Engineers
303-209-0388

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Presidential Wisdom

What's Happening in our Industry

3/4/14: Alliance Center (and CRES) Legislative Session at the State Capitol – Several legislators told us about bills in process in this legislative session including: a bill to require all plumbing fixtures sold in the State to be “Water-Sense” listed (phased in over a couple of years), a bill that would create a product stewardship program in the State starting with a way to recycle paint at any hardware store, and several bills that help with flood and disaster recovery. This was also a USGBC Advocacy Day at the Capitol.

Please see: <http://www.sustainablecolorado.org/> for more info about the Alliance Center.

AEE Resources:

One of many great resources available at AEE is the directory of **free** trade publications found at: <http://energyvortex.tradepub.com/>

Monthly Meetings Info

We thank Francisco Reina of PIE and Stu Reeves of Poudre R-1 Schools for their information about building envelope testing, commissioning, and weather barrier verifications.

The March 20th, 2014 meeting will be a presentation from Peter D' Antonio of PCD Engineering on the use of Building Automation Systems for Measurement & Verification of system operations. Indian Tree Golf Club (7555 Wadsworth Blvd in Arvada) from 11:30 AM to 1:00 PM.

AEE Certifications

Again, 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.

For more information please see: <http://www.aeecenter.org/i4a/pages/index.cfm?pageid=3771>

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

The April meeting date is changed to April 10 from April 17. This only applies to the April 2014 lunch meeting. The location will not change.

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.

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

Recommended by Time magazine, his book "Fostering Sustainable Behaviour" 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 behaviour 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>



***Demand Response Leadership
Since 1999***

15th PLMA Spring Conference **April 15-16, 2014 in Denver** **Mile-High View of Demand Response**

Gain real-world insight from market practitioners, technology firms, and energy utilities/marketers active in the demand response marketplace. About 150 industry professionals are expected to attend, including: energy utility/marketer professionals, regulatory, and business professionals responsible for demand response as well as Industry advisors, including consultants as well as product and service providers.



For more info, go to peaklma.org/event/15thspring

Opening Keynote Co-Presenters



Speaker Ron Binz
Former Chief,
Colorado Public
Utilities Commission



Speaker Jon Wellinghoff
Past Chair,
Federal Energy
Regulatory Commission

Keynote Speaker



Bryan Hannegan
Associate Laboratory Director,
Energy Systems Integration,
National Renewable Energy Laboratory

RMAEE Scholarship

Submittal Deadline: April 4, 2014

Scholarship Amounts: \$500.00, \$1,000.00, and \$2,000.00

The Foundation of the Association of Energy Engineers (FAEE) Scholarship Fund was established to promote continuing education of qualified professionals in energy engineering and energy management.

FAEE was established in 1981 to encourage qualified practitioners in energy engineering to further education. To date, the Foundation has helped more than 1,200 energy engineering students in the US.

Eligible Studies: Scholarships are available to candidates obtaining their undergraduate or graduate degrees who are enrolled in an accredited Colorado college or university focusing on energy engineering or energy management. Colorado residency is not required although applicants must be at sophomore standing or above for the 2013-2014 academic year.

Visit the RMAEE website (<http://rmaee.org/scholarship.htm>) for more details

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	March 20, 2014 11:30 am - 1 pm	http://www.rmaee.org/
Colorado Clean Tech	Sustainability Series at the Posner Center: Inspiring Change, Women and Sustainable International Development	Posner Center for International Development	March 11, 2014 6 pm - 8pm	http://www.coloradocleantech.com/calendar
RMAEE	Monthly Lunch Meeting	Indian Tree Golf Course Arvada, CO	April 10, 2014 11:30 am - 1 pm	http://www.rmaee.org/

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 Posting: Energy Engineer

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.

Energy Engineer

We are currently seeking an Energy Engineer to join the team as a member of our growing Rocky Mountain division located in Denver. To apply please visit: <http://ch.tbe.taleo.net/CH05/ats/careers/requisition.jsp?org=MCKINSTRY&cws=1&rid=2187>

This person will be responsible for:

Analysis

- Work with the Business Development Team and Program Managers to prequalify energy efficiency project opportunities
- Analyze customer utility bills to identify and quantify the potential for facility energy savings
- Accurately perform energy savings calculations using modeling software, spreadsheets and utility calculation tools
- Capture and measure field data during the energy auditing phase
- Capture and measure field data after construction to guarantee client energy savings
- Establish an audit plan and data logger plan to be employed during the investment grade audit phase to ensure efficiency and calculation accuracy
- Identify and quantify facility improvement measures related to a building's infrastructure including electrical, mechanical, control, water, waste water, envelope, solid waste, irrigation, and lighting systems
- Develop basis of design and scopes of work for all proposed Facility Improvement Measures

- Draft clear technical narratives for the proposed Facility Improvement Measure descriptions
- Perform schematic design for building mechanical systems including drawings and layout, written design narrative and sizing calculations
- Develop innovative energy efficiency solutions

Project Management

- Coordinate facility site visits and communicate with outside vendors as pertains to the identification of Facility Improvement Measures
- Coordinate with Design team to measure feasibility, basis of design and scope of work development
- Obtain energy saving rebates from utility company
- Provide technical assistance to the sales team in developing overall projects in a strategic manner
- Work closely with the Performance Assurance Specialist in developing the Measurement and Verification Process and Protocols to be used for performance validation
- Establish Key Performance Indicators, and Key factors to be used in the Measurement and Verification Phase
- Facilitate and structure Project Risk Reviews for Energy Calculations prior to presenting ROM or Final savings
- Complete project tasks in a timely manner to ensure projects are delivered on schedule and within budget

Communication

- Ability to clearly explain technical information internally and externally to the customer
- Attend client meetings and deliver presentations
- Communicate with estimation team to accurately price energy savings for client

Qualified candidates will possess the following:

- Advanced knowledge of Microsoft Office Suite - Word, Excel, Outlook MS Project and Visio required; working knowledge of SharePoint preferred.
- Maintain good understanding of pertinent building and energy codes.
- Maintain good understanding of incentive programs and processes.
- eQuest and Trace are a plus
- Thorough understanding of ESPC Contracting
- Must be familiar with industry standard calculation methods including, but not limited to, degree day method, bin method, hourly simulation, lighting calculations, affinity laws, and electrical load and power calculations

EDUCATION and EXPERIENCE

- Four (4) year technical degree, ME/EE preferred.
- Cx, HVAC design or building controls experience required.
- 2-7 years of mechanical or electrical design experience preferred.

WORKING CONDITIONS

- Ability and willingness to travel regionally.
- Physical ability to walk jobsites in uneven terrain.
- Provide personal transportation for meetings and job visits away from the office; reimbursed.
- Work in potentially hazardous environments with noise, moving parts, electrical and combustion equipment

Commissioning Engineer

We are currently seeking a Commissioning Engineer to join the team as a member of our growing Denver Energy Services group. To apply please visit:

<http://ch.the.taleo.net/CH05/ats/careers/requisition.jsp?org=MCKINSTRY&cws=1&rid=2104>

This person will be responsible for:

Systems Analysis

- Understand the design concept and intent by reviewing mechanical construction documentation, including drawings and scheduled equipment
- Provide recommendations and feedback regarding the design, equipment selection, Test and Balance requirements, maintainability and potential enhancements
- Review documentation for compliance with McKinstry control standards, commissioning standards, and control specification (if applicable)
- Assess the capability of control scope and documentation to achieve the mechanical design intent

Systems Verification

- Verify the control system point-to-point, including establishing acceptance criteria, obtaining completed reports, performing verification and spot checking for validation
- Verify that control system work station, graphics, alarm dial out, and remote monitoring capabilities are complete per McKinstry standards and contract documents
- Review control as-built documentation for accuracy and completeness

- Communicate noted commissioning issues, questions and concerns through proper channels in a timely manner
- Determine whether the control provider has completed all required responsibilities
- Work with commissioning manager to schedule required equipment calibrations

Project Support

- Develop project specific commissioning schedule and plans
- Perform project specific static, start-up, and test-adjust-balance field work
- Conduct commissioning coordination meetings as needed with project management, control, balance, and startup representatives
- Maintain, track and operate test equipment
- Write site specific service and maintenance procedures
- Develop a project specific training agenda
- Provide mechanical systems training to assigned McKinstry Service mechanics and/or owners representatives
- Return complete and legible commissioning documentation to the commissioning manager
- Track noted commissioning issues until resolved and closed
- When independent commissioning authorities are involved, coordinate and demonstrate McKinstry's commissioning activities and documentation
- Represent McKinstry at project specific commissioning coordination meetings

Qualified candidates will possess the following:

- Advanced knowledge of Microsoft Office Suite - Word, Excel, Outlook and Visio required; working knowledge of SharePoint preferred.
- Working knowledge of mechanical systems.
- Working knowledge of control systems.
- Ability to read and understand construction documents (mechanical drawings, specifications, etc.).
- Basic understanding of electrical and fire/life safety systems.
- High school diploma or equivalent required.
- BA/BS Mechanical Engineering degree preferred.
- Formal HVAC training/education required.
- Five (5) years of experience operating test equipment.

WORKING CONDITIONS

- Ability and willingness to travel.
- Physical ability to walk jobsites in uneven terrain.
- Provide personal transportation for meetings and job visits away from the office; reimbursed.

Performance Assurance Specialist

We are currently seeking a Performance Assurance Specialist to join the team as a member of our growing Rocky Mountain Energy division located in the Denver area. To apply please visit: <http://ch.tbe.taleo.net/CH05/ats/careers/requisition.jsp?org=MCKINSTRY&cws=1&rid=2071>

This person will be responsible for:

Project Management

- Define project scope, intent, and maintain responsibility for plan and quality of verification
- Develop and document detailed Measurement and Verification (M&V) plans for energy projects
- Conduct pre- and post measurements as required for completion of M&V Plan
- Conduct pre- and post construction surveys as required for completion of M&V Plan
- Coordinate communication, client meetings and expectations
- Coordinate utility incentives and rebates for clients
- Coordinate vendors and sub-contractors for completion of M&V plan
- Develop monitoring processes and services for completion of M&V plan with Center of Excellence team
- Assess and communicate project risk
- Perform energy consultation, including recommendations and enhancements to the client's facilities for additional phases of work or services
- Manage M&V plan, budget and schedule

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 final reports outlining client benefits

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
- Act as conduit of feedback to Development team(s) regarding performance of Facility Improvement measures designed and implemented in ESCO projects
- Notify client of stipulated performance issues
- Communicate and present final reports to client after project completion
- Make presentations to a variety of audiences; act as technical subject matter expert

- Identify, qualify and funnel potential new service opportunities to Business Development team

Qualified candidates will possess the following:

- Knowledge of:
 - Knowledge of:
 - Construction management, energy calculations and industry standard efficiency improvement measures
 - IPMVP and FEMP M&V guidelines / requirements
 - Financing options and utility incentives: working knowledge of EPC financing options / methods
 - guaranteed energy savings performance contracts
 - Colorado Energy Office EPC program requirements
 - Project performance tracking and results evaluation
 - Energy tracking and energy modeling software (ex. eQuest, EnergyPlus)
 - Utility bill analysis & rate structures
 - Comfortable speaking in front of others
 - Intermediate working knowledge of Microsoft Word, Excel, Outlook and Project required; working knowledge of SharePoint preferred
 - BA/BS degree in Mechanical Engineering, Electrical Engineering, Architecture, Facilities Management or equivalent field of study required.
 - Certified Measurement and Verification Professional *CMVP and/or Certified Energy Manager *CEM (or able to achieve certification in first year of job).
 - Building commissioning or operational efficiency consulting experience desired.
 - Some construction or engineering-related work experience required.
 - Energy consulting experience or education desired.
 - Knowledge of building automation and control systems and control sequences desired

WORKING CONDITIONS

- 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.

Job Posting: Commissioning Agent - Denver Office

Send resumes to Cx Team Leader Tracey Whaley Tracey@ambient-e.com

Are you ready to work where you can have real IMPACT? Ambient Energy is seeking a Commissioning Agent (Cx) for our Denver office. This Cx Team Leader will have a strong controls and energy engineering background. This job will entail working on commissioning specific projects from beginning to end, developing client relations, keeping projects within budget, and collaborating well with design and construction disciplines. Day to day job responsibilities will range from performing on site commissioning, to developing functional tests, to writing scopes of work, to attending networking events for business development and keeping abreast of technological developments and innovations. The Cx will report directly to the Cx Team Leader.

Minimum Requirements

- Minimum of three years of professional experience working as a Commissioning Agent or as a facilities manager.
- Experience working on at least 2 official LEED projects.
- Strong knowledge of DDC controls, mechanical and electrical systems
- Excellent technical review and editing skills.
- Experience working with large and diverse project teams.
- Experience at working in MS Outlook, Excel, Word, and Powerpoint.
- Experience with oversight of site inspections, energy audits, data gathering, analysis, site inspections, energy audits.
- Experience with functional testing, energy modeling, trend data analysis, site inspections, and measurement and verification
- Experience working with design teams, architects, contractors, and controls contractors to ensure the commissioning process meets design criteria and local/national codes.
- Energy simulation experience is a plus.
- BS in Mechanical or Electrical Engineering or related discipline preferred.
- PE, LEED-AP, CEM, CxA, CCP, CSST, MS and/or QCxP desired

Key Responsibilities:

- Work on tasks required for LEED commissioning services for new and existing buildings.
- Work on re and retro-commissioning projects, measurement and verification projects, and energy audit projects.
- Attend job site visits.
- Work closely with contractors, clients, consulting engineers, architects and their representatives.
- Develop professional relationships.
- Be able to manage multiple projects at once.

- Lead projects tasks from start to finish within budget, on schedule and with high quality.
- Be highly responsive and available to clients and to our staff.
- Exceed our clients' expectations.