



MEEEA

Midwest Energy Efficiency Alliance

Code Support Activities in the Midwest

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The Source On Energy Efficiency

Overview

- Introduction to MEEA
- Code Adoption
- Training
 - Midwest Building Solutions
 - Building Operator Certification Program
 - Workshops on Federal Tax Incentives

Who Is MEEEA?

Regional Organization

MEEEA is a collaborative network whose purpose is to advance energy efficiency to support sustainable economic development and environmental preservation



The Source On Energy Efficiency

Our Members Are

Diverse stakeholders in energy efficiency

- Academic/Research Organizations
- Manufacturers/Retailers
- State and Local Governments
- Utilities (IOUs/Munis/RECs)
- Energy Service Firms/Consultants
- Leading Nonprofits
- General Interest/Professionals

What Does MEEA Do?

- Serve as a regional networking forum focused on energy efficiency
- Regional clearinghouse for energy efficiency issues
- Facilitate and administer region-wide energy efficiency programs
- Advocate for reasonable and effective regional energy policy

Code Adoption

- Education and awareness-building among policymakers
- Build coalitions and partnerships to support energy code adoption
- Participate in rule-making with written and verbal testimony, technical resources

Midwest Building Solutions

Lowering Building Costs, Raising Comfort and Quality

Train Builders to achieve:

- Cost-effective, resource-efficient building practices resulting in homes that exceed the 2003 IECC

What is Midwest Building Solutions?

For Builders:

- offered as a ½-day training
- focused on topics of high interest
- presents code-compliance paths
- promotes beyond code building

Building Operator Certification (BOC) Program

- Nationally-recognized professional development program
- Building engineering and maintenance staff
- Components
 - Classes in energy efficient maintenance and operation practices
 - Tests and in-facility projects
 - BOC credential

building operator **certification**



Energy Efficiency Through Operator Training

Building Operator Certification (BOC) is a nationally recognized training and certification program for building operators offering improved job skills and more comfortable, energy-efficient facilities.



Level I

Building Systems Maintenance

- Building Systems Overview
- Energy Conservation Techniques
- HVAC Systems & Controls
- Efficient Lighting Fundamentals
- Env. Health & Safety Regulations
- Indoor Air Quality
- Facility Electrical Systems

Level I Projects

- Facility and Equipment Floor Plan
- Electrical Distribution Sketch
- Facility Lighting Survey
- HVAC System Operational Review
- Facility Energy Use Profile using ENERGY STAR® Portfolio Manager



Level II Equipment Troubleshooting

- Preventive Maintenance
- Advanced Electrical Diagnostics
- HVAC Troubleshooting
- HVAC Controls & Optimization
- Motors in Facilities
- Intro. to Building Commissioning
- Enhanced Automation & Demand Reduction
- Water Efficiency
- Mastering Electric Control Circuits

Level II Projects

- Power Quality Upgrade Plan
- HVAC System Comparison
- Control Systems Diagram and Maintenance Checklist

Evaluation Results

- BOC-trained operators save:
 - 0.35 kWhs of electricity per square foot of managed space per year
 - 0.74 Btus of gas/fuel oil per square foot per year
- In energy savings alone, one BOC-trained operator could save more than \$2,500/year in a 100,000 sq.ft. facility

Where is BOC Available?



Nationwide including 6
Midwest States:

- Illinois
- Iowa
- Minnesota
- Missouri
- Ohio
- Wisconsin

Federal Tax Incentives

- 1-day workshops on tax incentives for commercial and residential buildings
- IRS representative explains legal
- Local experts showcase best practices and projects that meet tax incentives

Contact MEEA

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