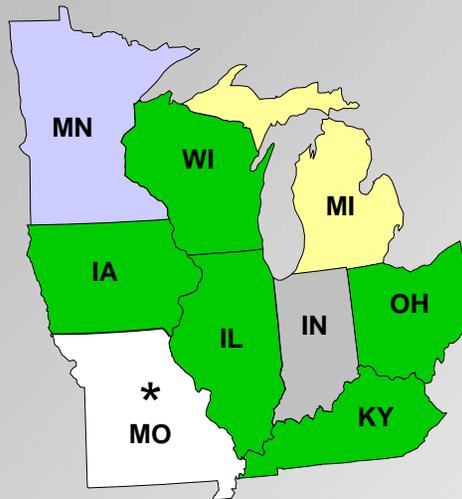




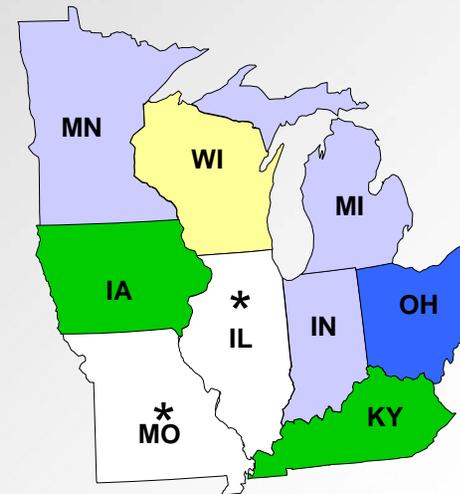
# MEEA – Midwest Energy Efficiency Alliance

## Commercial



- ASHRAE 90.1-2004/2006 IECC, equivalent or better
- ASHRAE 90.1-1999/2001 IECC or equivalent
- ASHRAE 90.1-1989/2000 IECC or equivalent
- Older or less stringent than ASHRAE 90.1-1989/2000 IECC
- No statewide code
- Adoption by county/jurisdiction above state mandated minimum

## Residential

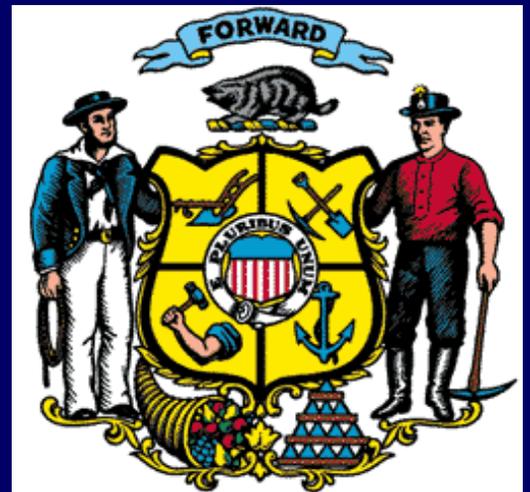
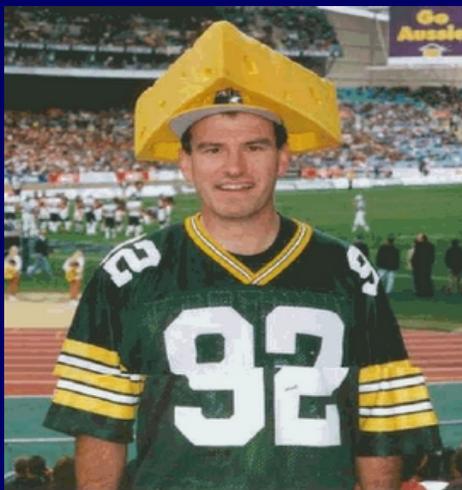


- IECC 2006, equivalent or better
- IECC 2003 or equivalent
- IECC 2001-1998 or equivalent
- Older or less stringent than IECC 1998
- No Statewide Code
- Adoption by county/jurisdiction above state mandated minimum

# Wisconsin

## “Forward”

- Wisconsin enacted Statewide Commercial & Residential Energy Codes 30 Years ago
- Codes are adopted and enforced uniformly by the Wisconsin Department of Commerce and its Delegated Municipalities
- As Technology and Public Awareness increase, the Code is updated to meet new challenges.



# Success Story

- The “Wisconsin Energy Code” is developed with the help of a Code Council composed of Designers, Contractors, Municipal Code Officials and various Professional Organizations.



- With every code cycle, they demonstrate increasing interest in conserving energy.

Wisconsin

# Energy Code Compliance

**“We struggle with.....”**

**Public & Legislative Apathy – The State Legislature recently rescinded a 30 year ban on heated sidewalks.**



**Loophole Louie's –**

**IECC 502.4.6 – Exception 2. “Doors not intended to be used as a building entrance door...” Does this mean all Exit doors are exempt from Vestibules ???**



**Wisconsin**

# Energy Code Compliance

“We struggle with.....”



- Lighting Plans are not reviewed !
- Lighting may be designed by anyone – including the electrician !

Wisconsin



# Minnesota

## Star of the North

- Minnesota's first energy code was enacted January 30, 1976.
- The residential code was changed throughout the 1980's and '90s to require tighter construction.
- In 2000 the residential code made a quantum leap to require extremely tight construction, mechanical ventilation, and makeup air for all atmospherically vented appliances.



# Success Story

- The average single family home built to the MN Energy Code qualified for the federal tax credit - 50% better than IECC!
- Atmospherically vented appliances rare
- Power vented furnaces and water heaters are the norm - sealed combustion furnaces are common
- Mechanical ventilation is required

A graphic of the American flag, showing the stars and stripes, positioned at the bottom of the slide.

Minnesota

# Energy Code Compliance

- “We’re known for.....” the code is consistent with health and well being. In addition to makeup air and ventilation – focus on foundation moisture and radon control
- “We struggle with.....” assuring that the code will protect while not being an undue economic burden

A close-up, slightly blurred image of the American flag, showing the stars and stripes. The flag is positioned at the bottom of the slide, with the stars on the left and the stripes on the right.

Minnesota



# Iowa

**Getting our act together: consolidation and commitment after a long history of fragmented responsibility**



# Success Story

- Legislative Successes Past Two Years
  - 2007: Creation of Office of Energy Independence
    - Consolidates leadership in state government of energy issues. This small office also acts to coordinate state energy policy on behalf of the Governor.
  - 2008: Energy code legislation
    - State Energy Code now applies to all commercial construction in the state, including renovation and remodeling and to
    - New construction of one and two family residences



# Energy Code Compliance

- We're known for an emphasis on life cycle cost analysis (required for public construction projects since 1981).
- We struggle with
  - Uniform enforcement of energy code requirements
  - Training of plan reviewers and inspectors on energy codes
  - Significant areas with no building code enforcement

A close-up, slightly blurred image of the American flag, showing the stars and stripes. The flag is positioned at the bottom of the slide, with the word 'Iowa' overlaid on it.

Iowa



# ILLINOIS

*State Sovereignty - National Union*

Illinois Energy Conservation Code for **Commercial Buildings**



# Success Story

- The adoption of LEED silver certification for K-12 public schools. All new public schools from July 1, 2007 will require LEED silver certification.
- In Illinois, public schools are exempt from the Illinois Energy Conservation Code.

A graphic of the American flag, showing the stars and stripes, positioned at the bottom of the slide.

ILLINOIS

# Energy Code Compliance

- Working with ICC to provide State wide training and technical hotline.
- Public Act 093-0936 established Illinois Code in April, 2006. October 9, 2007 was amended to automatically update the Code to the most current published version.
- We struggle with uniform enforcement. The State only acts to clarify not enforce code compliance.

The bottom of the slide features a close-up, slightly blurred image of the American flag, showing the stars and stripes. The word "ILLINOIS" is overlaid in white, bold, sans-serif capital letters on the right side of the flag.

ILLINOIS



# INDIANA

## Hoosiers

- “We led the nation in the adoption of the 1992 CABO MEC ”
- “Our buildings are among the most energy efficient in the nation.”
- We just don’t have the code to go along with it.
- “You develop it, we won’t adopt it; ‘no-one’ will enforce it.”
- “Please, please, someone help us with keeping track of what code inspectors think the code is.”
- “Code, what code?”

# Success Story

- Indiana has come to the realization that crawl space vents don't make sense.
- Rarely are homes built these days with crawl space vents in Indiana

A close-up, slightly blurred image of the American flag, showing the stars and stripes. The flag is positioned at the bottom of the slide, with the stars on the left and the stripes on the right.

Indiana

# Energy Code Compliance

- We struggle with code officials understanding the different methods of compliance ( prescriptive/performance ).

A close-up, slightly blurred image of the American flag, showing the stars and stripes. The flag is positioned at the bottom of the slide, with the stars on the left and the stripes on the right.

Indiana



# Missouri