

*Regional Updates and Outlooks  
on Energy Efficiency as a  
Resource – The Midwest*

ACEEE 5<sup>th</sup> National Conference on  
Energy Efficiency as a Resource

September 28<sup>th</sup> 2009

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# Agenda

- State Investment in EE
- Decoupling
- Energy Codes
- Regional Policy
- Program Challenges and Opportunities

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# State Investment in EE

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# EERS and PBF Energy Efficiency Investment on the Rise

## Regional Totals

2004: \$178 M

2006: \$230 M

**2008: \$343 M\***



**2009: \$481 M\***

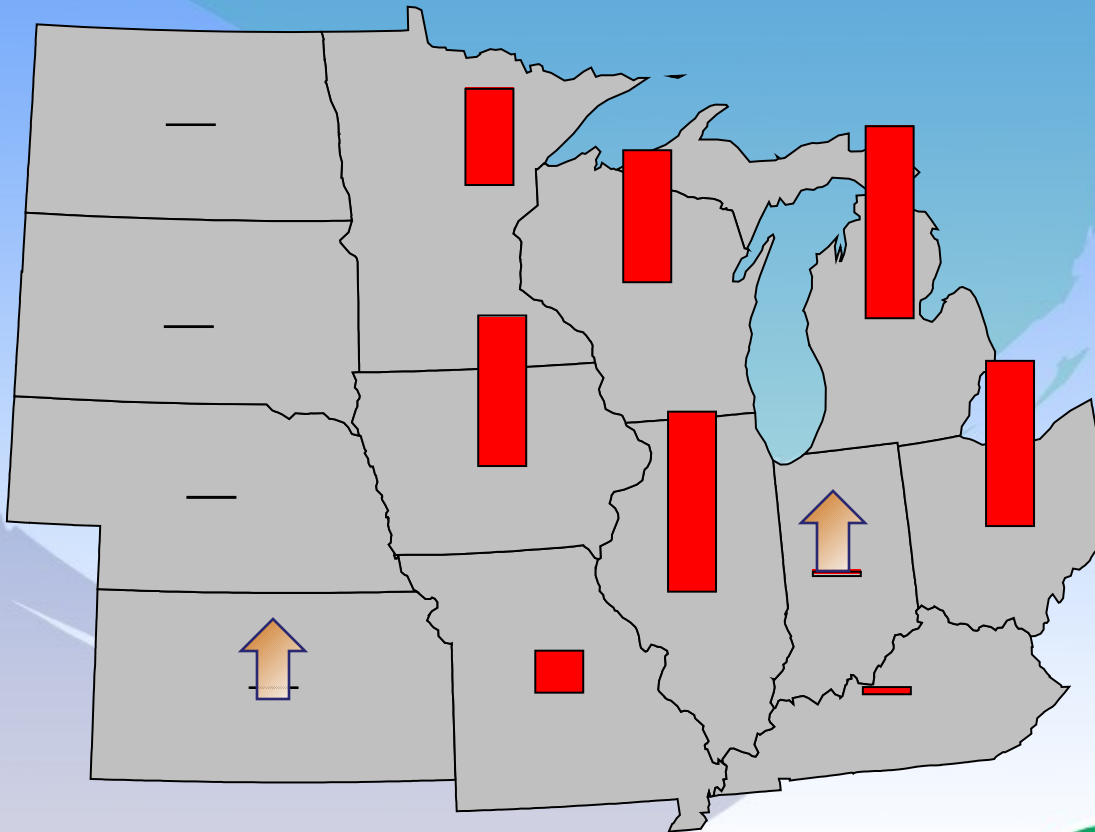
**2010: \$624M\***

**2011: \$751 M\***

**2012: \$808 M\***

*\*Jan 2009 estimate*

 = estimated value, height proportional to funding level  
 = increase predicted, value indeterminate



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# State EEPs in Midwest

## Illinois

- Electric EEPs – 2% by 2015, *passed in Nov 2007*
- Nat Gas EEPs – 1.5% by 2019, *programs to start May 2012*

## Iowa

- Governor's Task Force committed to 1.5% by 2012

## Kansas

- Governor's commitment – cumulative energy savings of 5% by 2010 and 10% by 2020

## Minnesota

- 1.5% EEPs – annual savings

# State EEP S in Midwest

## Michigan

- Electric EEP S – 1.0% by 2012, *programs started June 2009*
- Nat Gas EEP S – .75% by 2012, *programs started June 2009*

## Ohio

- Electric EEP S – 2% by 2019, *programs started in June 2009*

## Wisconsin

- Electric EEP S – 2%, *decided by Gov's Task Force*
- Nat Gas EEP S – 1%, *on Global Warming*

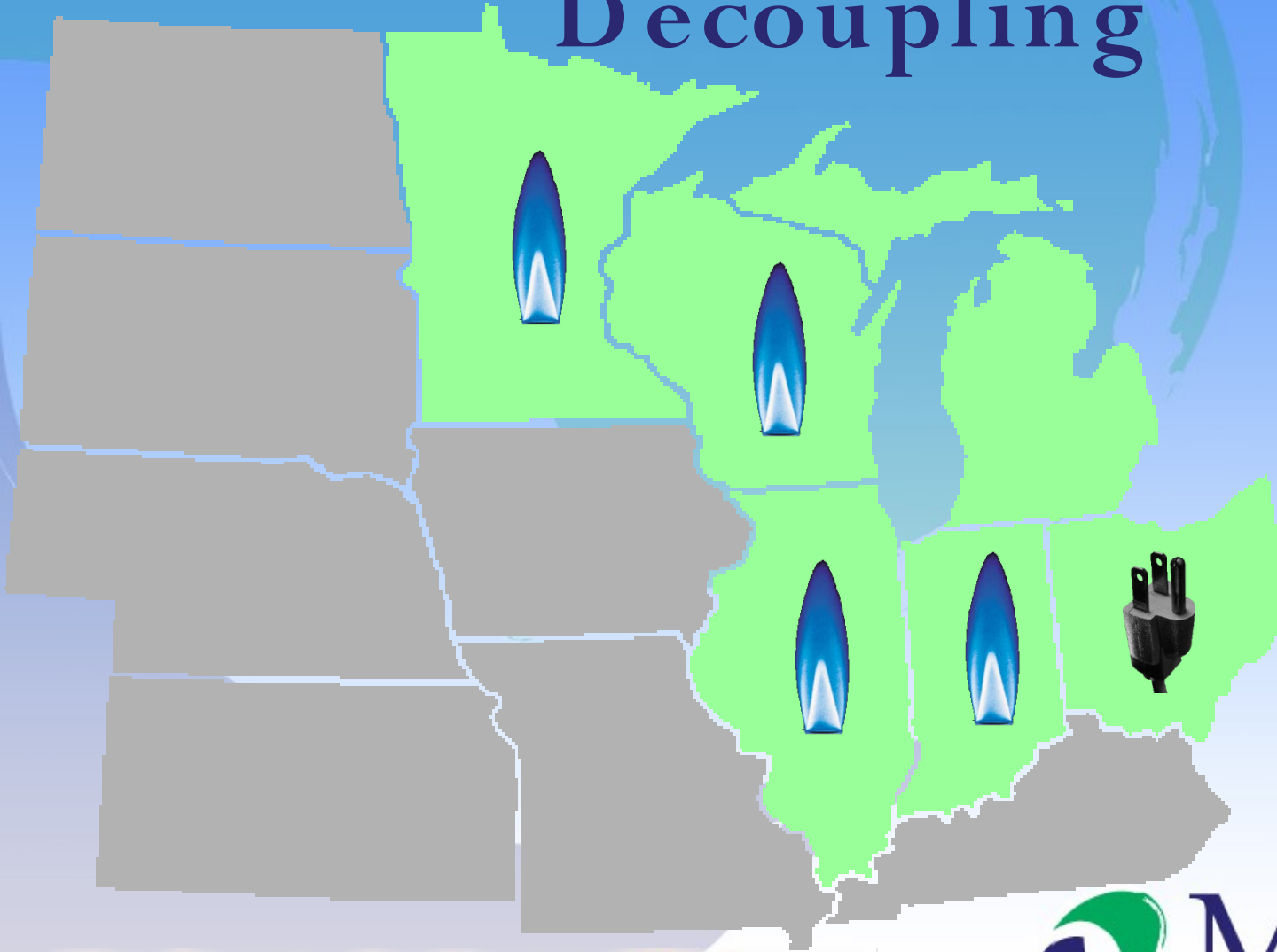
# Decoupling in the Midwest

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# Current and Planned Decoupling



 **Decoupling Authorized**

**Pilot Projects**

gas electric

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# Energy Codes

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# Residential Energy Codes



2009 IECC or Equiv.



2006 IECC or Equiv.



1998-2003 IECC or Equiv.



Precedes 1998 IECC



No Statewide Code



Code Upgrade in Progress  
(stripe color shows level)



Voluntary Statewide Code



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# Commercial Energy Codes



ASHRAE 90.1-2007 or Equiv.



ASHRAE 90.1-2004 or Equiv.



ASHRAE 90.1-1999/2001 or Equiv.



Precedes ASHRAE 90.1-1999



No Statewide Code



Code Upgrade in Progress  
(stripe color shows level)



Voluntary Statewide Code



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# ARRA Investment in the Midwest

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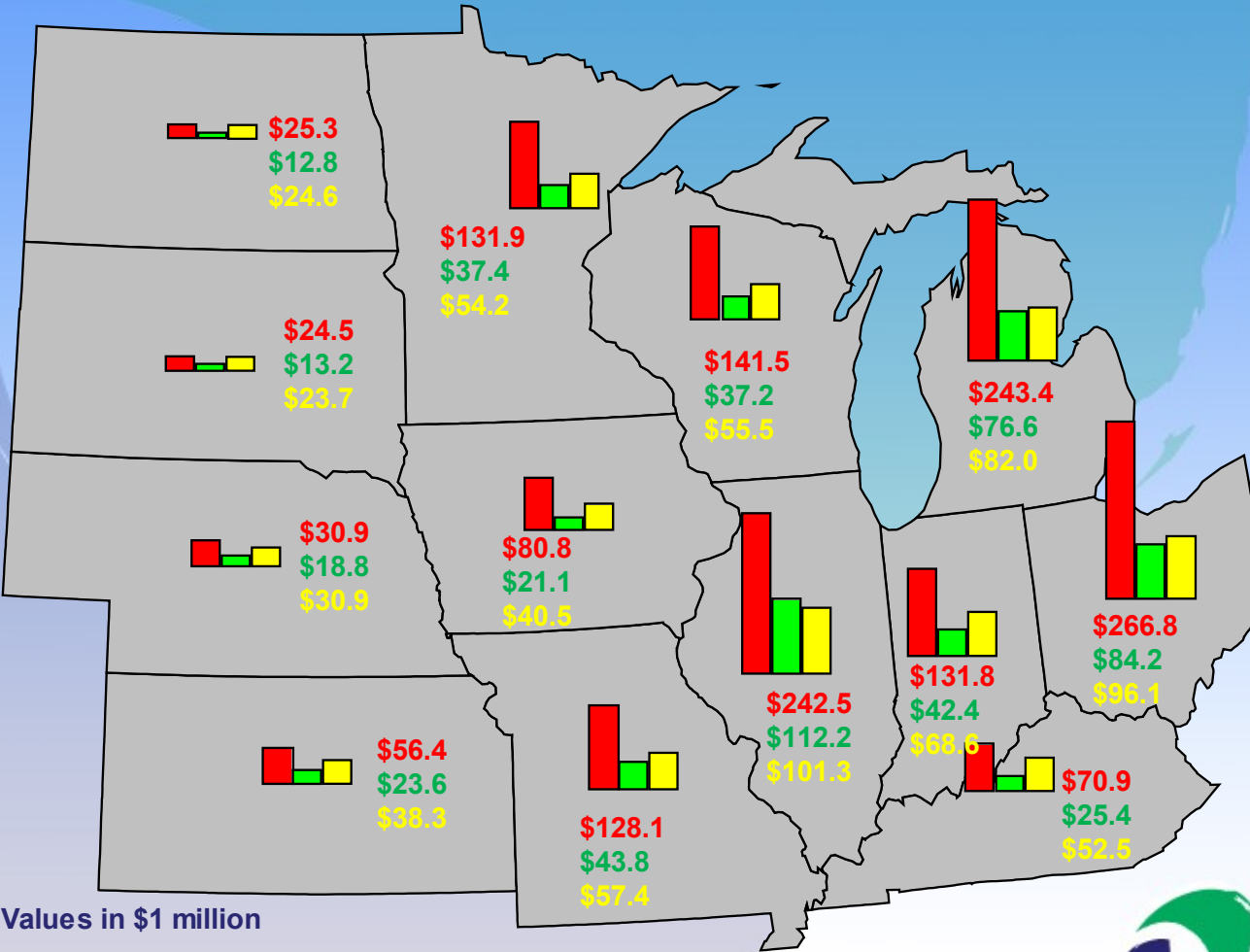
# Midwest Efficiency Funding from the American Reinvestment and Recovery Act

**Weatherization Assistance Programs:**  
\$1.586 billion

**Energy Efficiency and Conservation Block Grants:**  
\$548.56 million

**State Energy Programs:**  
\$725.68 million

**Midwest Total:**  
\$2.86 billion



\*Values in \$1 million

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# Regional Policy Opportunities

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# Midwestern Governors Association

## Energy Security and Climate Stewardship Platform

*Maximize the energy resources and economic advantages and opportunities of Midwestern states while reducing emissions of atmospheric CO<sub>2</sub> and other greenhouse gases*

- signed by Governors of IL, IN, IA, KS, MI, MN, OH, SD and WI in November 2007

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# Energy Efficiency Objectives

MGA Strategy:

- Maximize economy-wide investment in energy efficiency initiatives that are less expensive than other energy options

## MGA EE Goal:

- Meet at least 2% of regional annual retail sales of natural gas and electricity through energy efficiency improvements by 2015, and continue to achieve an additional 2% in efficiency improvements every year thereafter.

## MGA EE Advisory Group Action Item:

- All U.S. MGA jurisdictions should adopt residential and commercial building codes that meet or exceed the national model energy codes, with an automatic, statutorily required increase to coincide with the national model code review process.

# RE-AMP

- Collaborative between Midwest environmental organizations and funders
  - Covers IA, IL, MI, MN, ND, OH, SD, WI
  - Joins Garfield, Robertson, McKnight, Kresge and Energy Foundations and Rockefeller Fund

- MEEEA serves as Energy Efficiency Working Group Leader



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# Program Challenges and Opportunities

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# Program Drivers and Challenges

- Meet commission goals (avoid penalties) in an escalating goal environment
- Uncertainty of EM&V results/net-to-gross
- Prepare for life after CFLs
- Potential duplication and confusion from ARRA
- Everything linked to TRC

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# Program Needs and Opportunities

- New technology (LEDs, consumer electronics)
- Dual fuel programs and attribution
- How to get credit for market transformation
- Smart homes/smart appliances as part of smart grid
- Regional net to gross and deemed values accepted by commissions
- Regional/ cross fuel programs to have consistency to customers
- Create incentives to go beyond targets (not just penalties for missing)



# Midwest Energy Solutions Conference



January 13<sup>th</sup> – 15<sup>th</sup> in Chicago  
[www.meeaconference.org](http://www.meeaconference.org)

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