

STATUS OF ENERGY EFFICIENCY IN THE MIDWEST

Efficiency as a Resource

ACEEE Conference

September 26, 2011

Denver

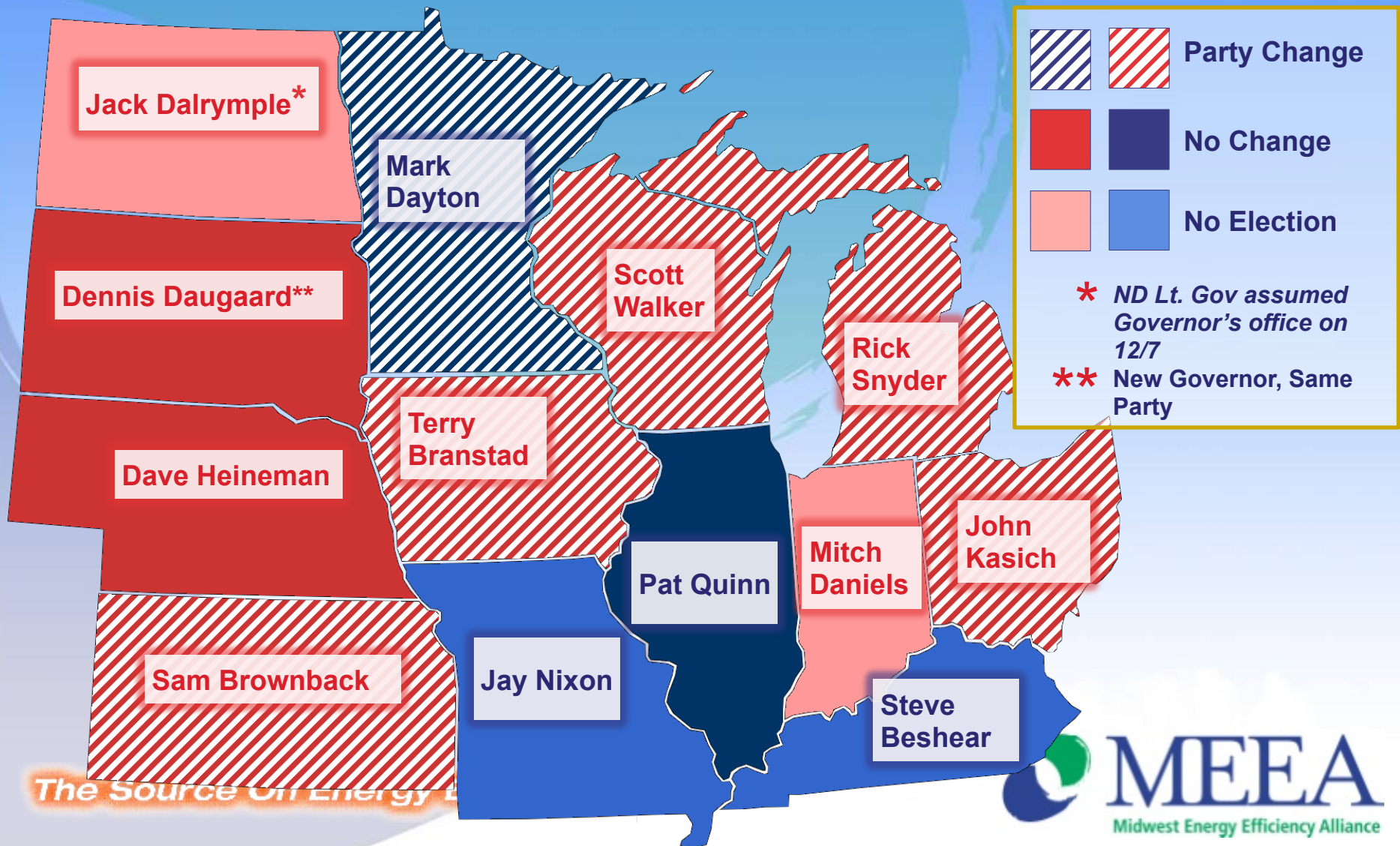
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Efficiency Trends in the Midwest

- Funds invested in efficiency continues to increase in individual states and throughout the region
- New political leadership – need for education on EE
- Need aggressive programs to achieve increasing goals of mandated standards
- Potential efficiency savings from increased code compliance
- Need targeted outreach to reach industrial users
- Opportunity for Regional EM&V

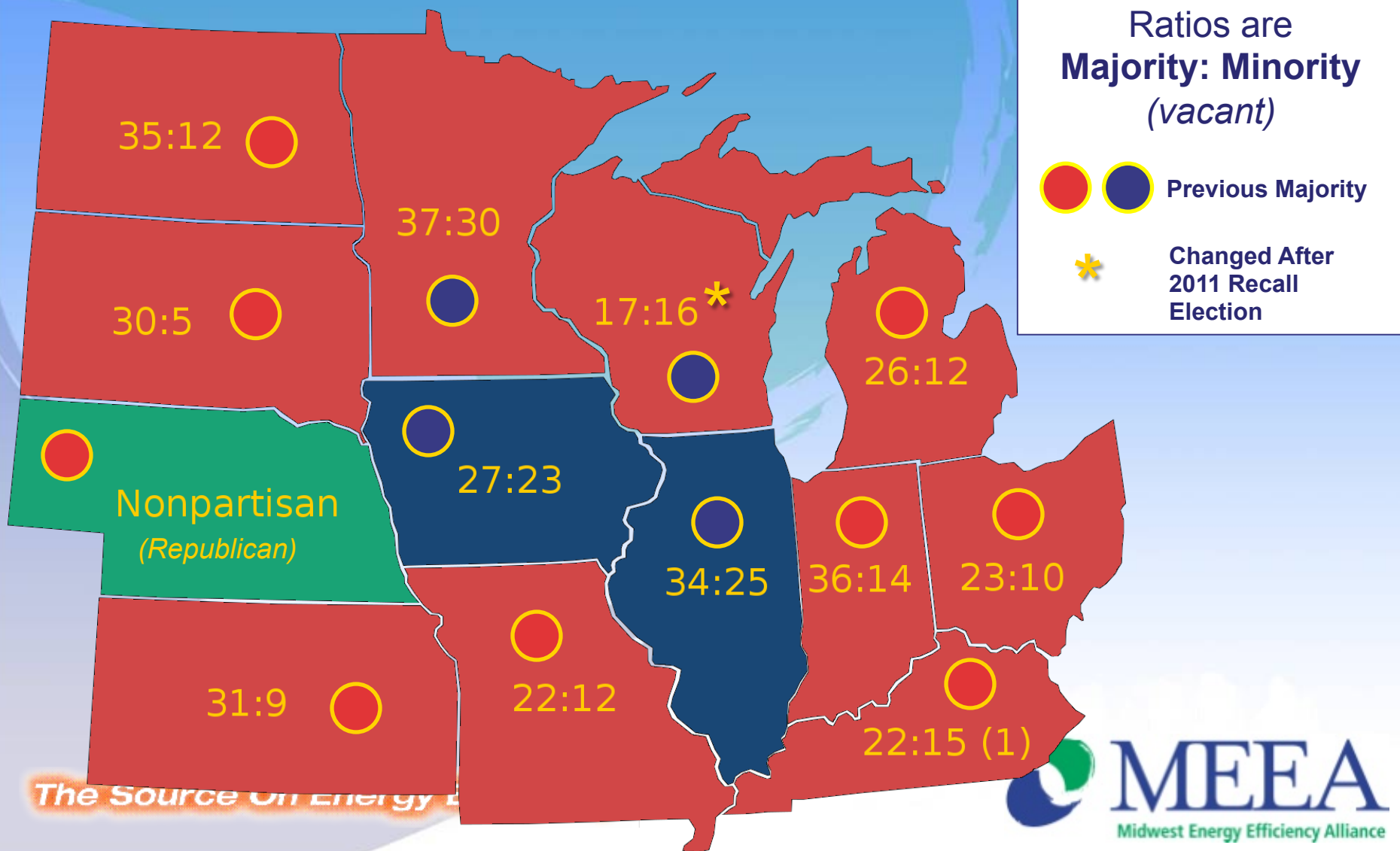
Midwestern Governors after 2010 Elections



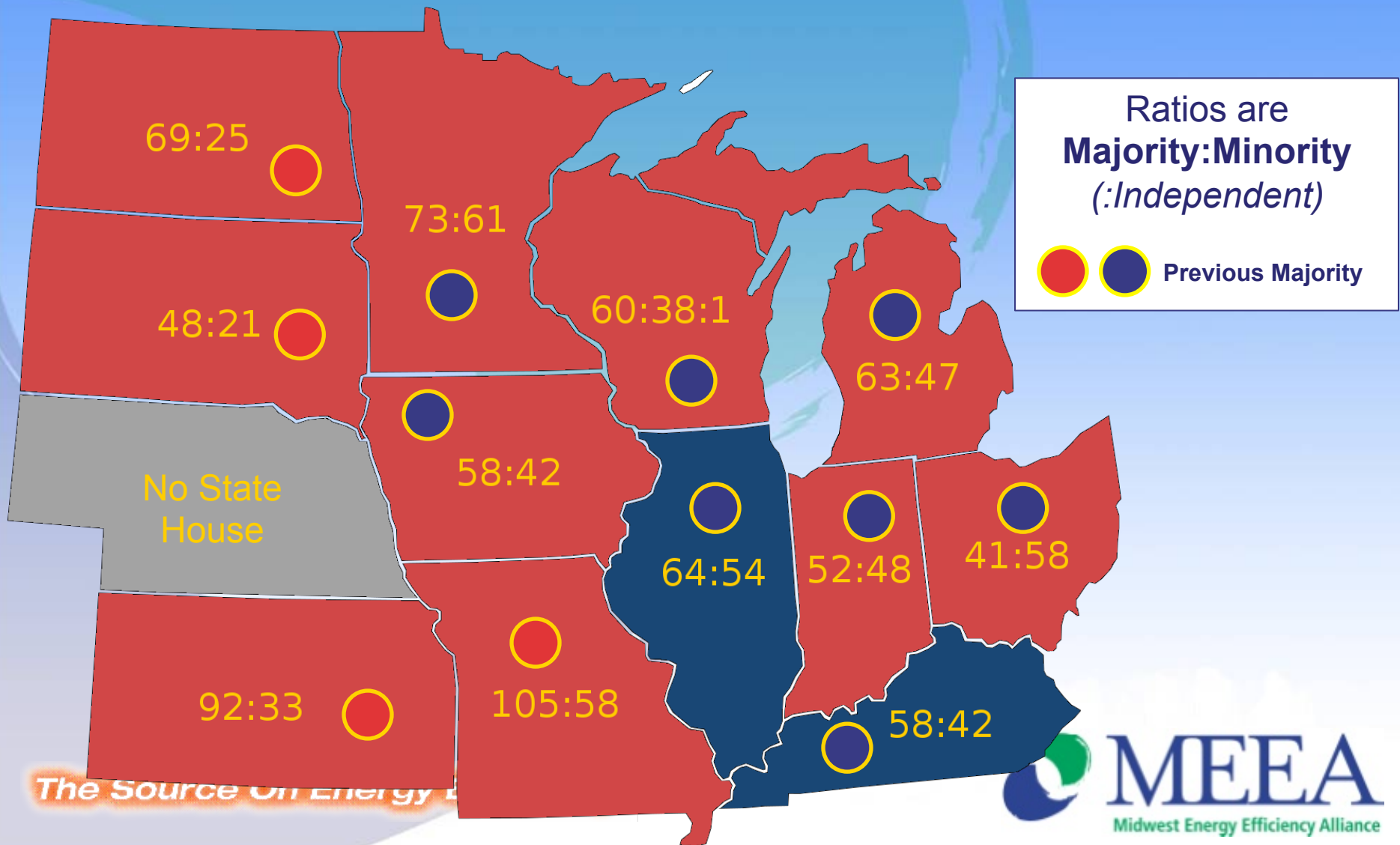
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Midwestern State Senates after 2010

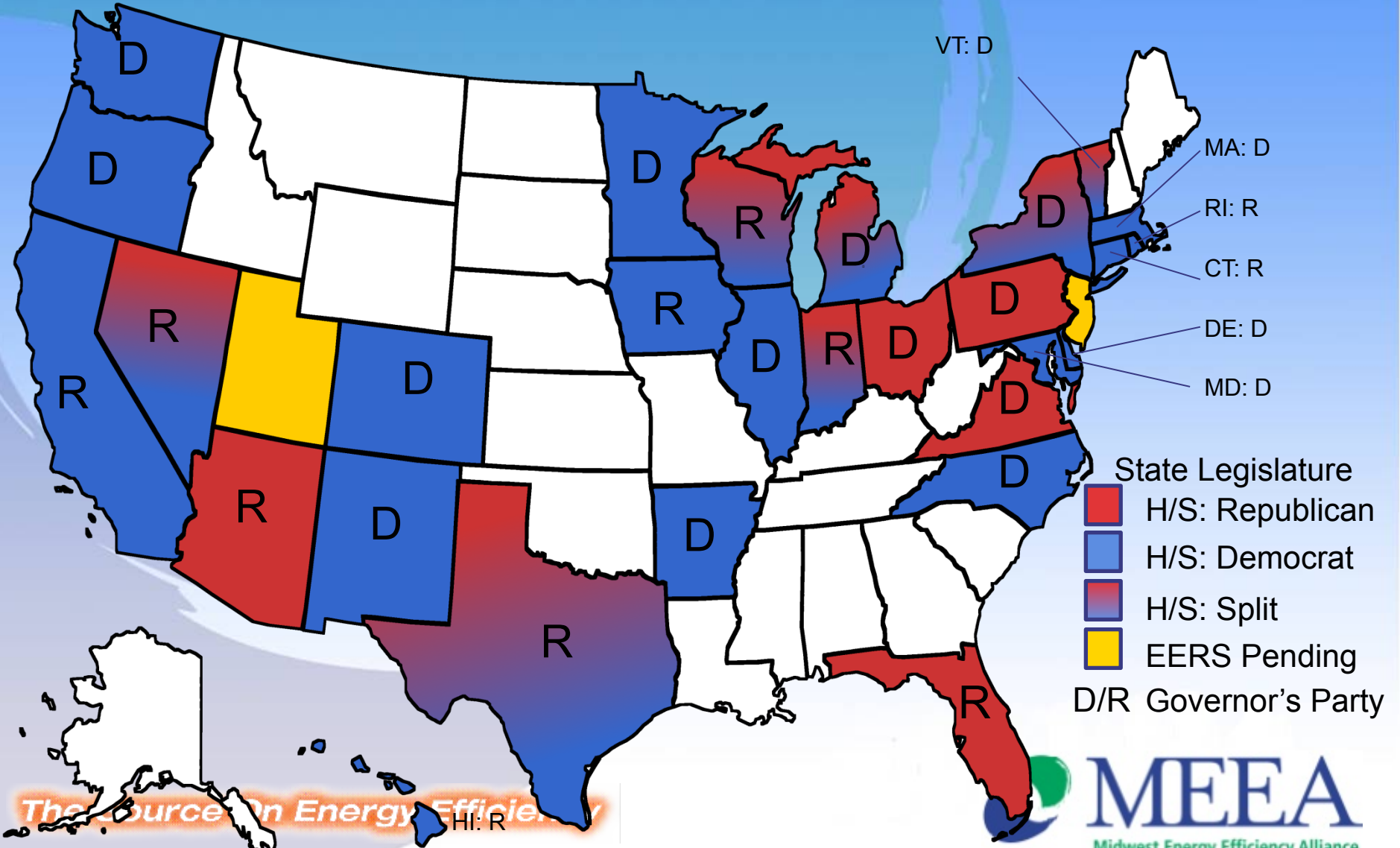


Midwestern State Houses after 2010 Elections



Energy Efficiency is a Bipartisan Issue

State House/Senate and Governor party affiliation at the time of the first enactment of statewide energy efficiency policy

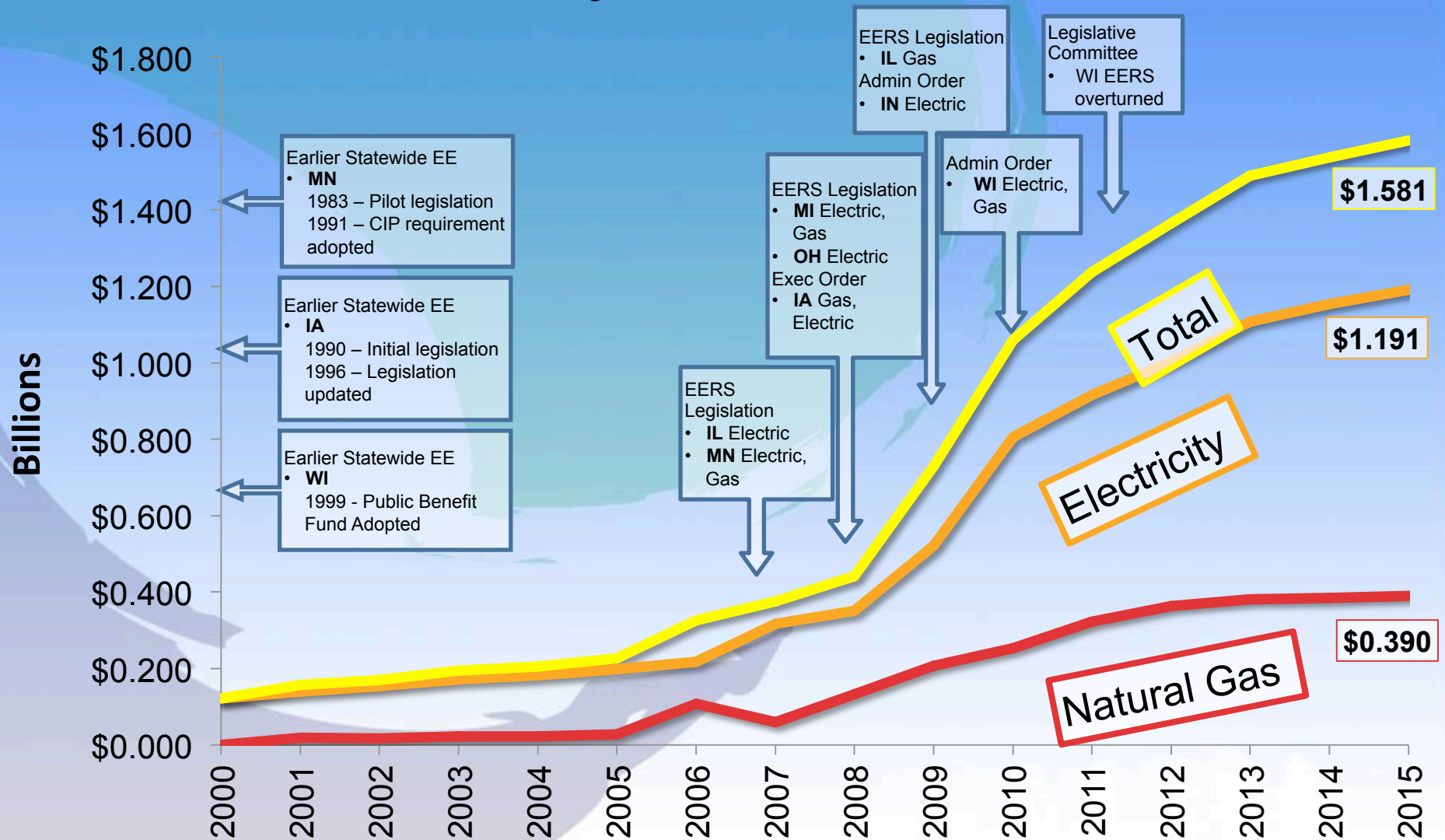


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January 2011

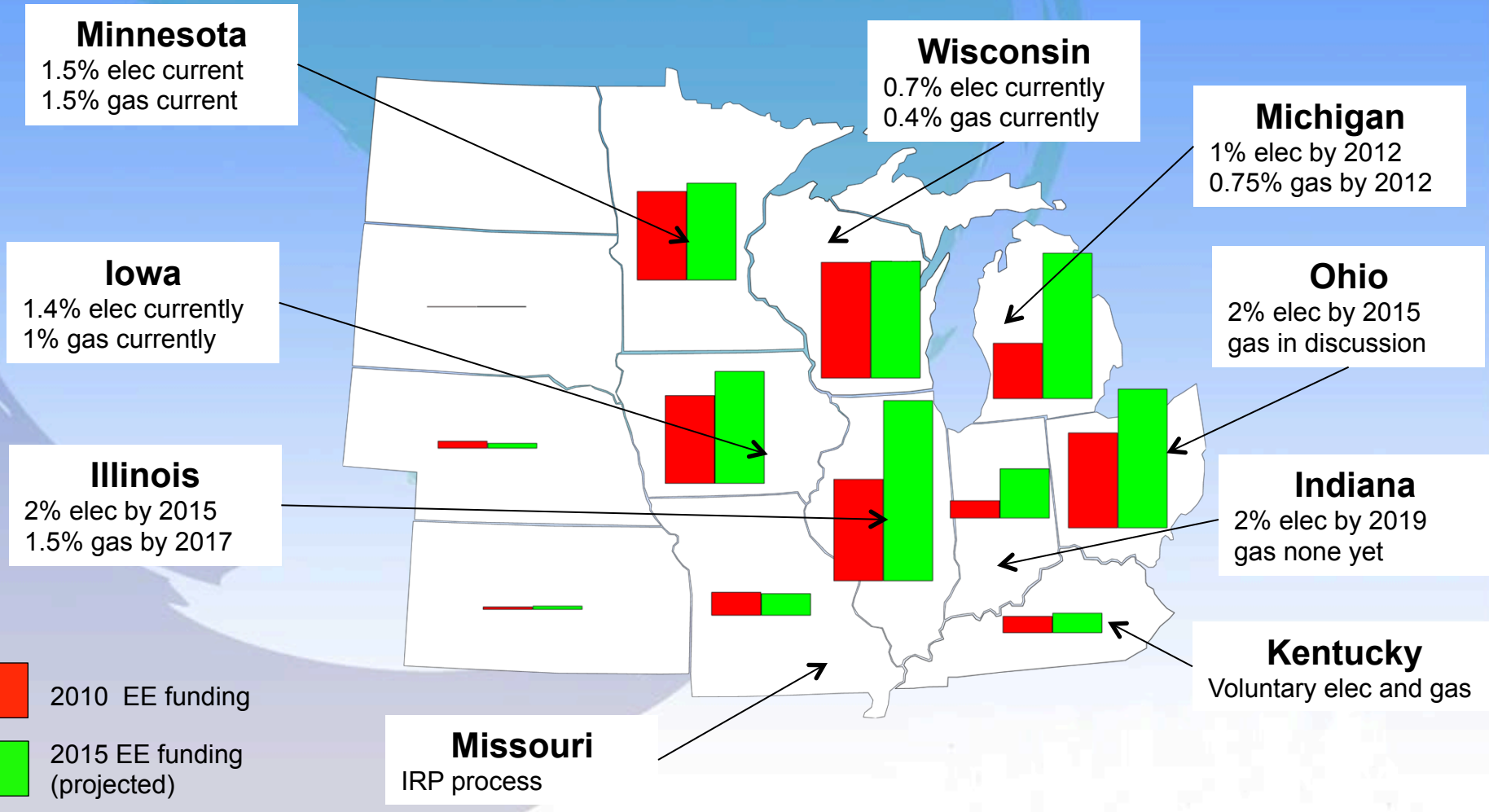


Estimated Annual Investment in Energy Efficiency in the Midwest



Future Midwest Efficiency Targets and Funding

2010 **\$1.06 billion**
 2015 **\$1.58 billion**



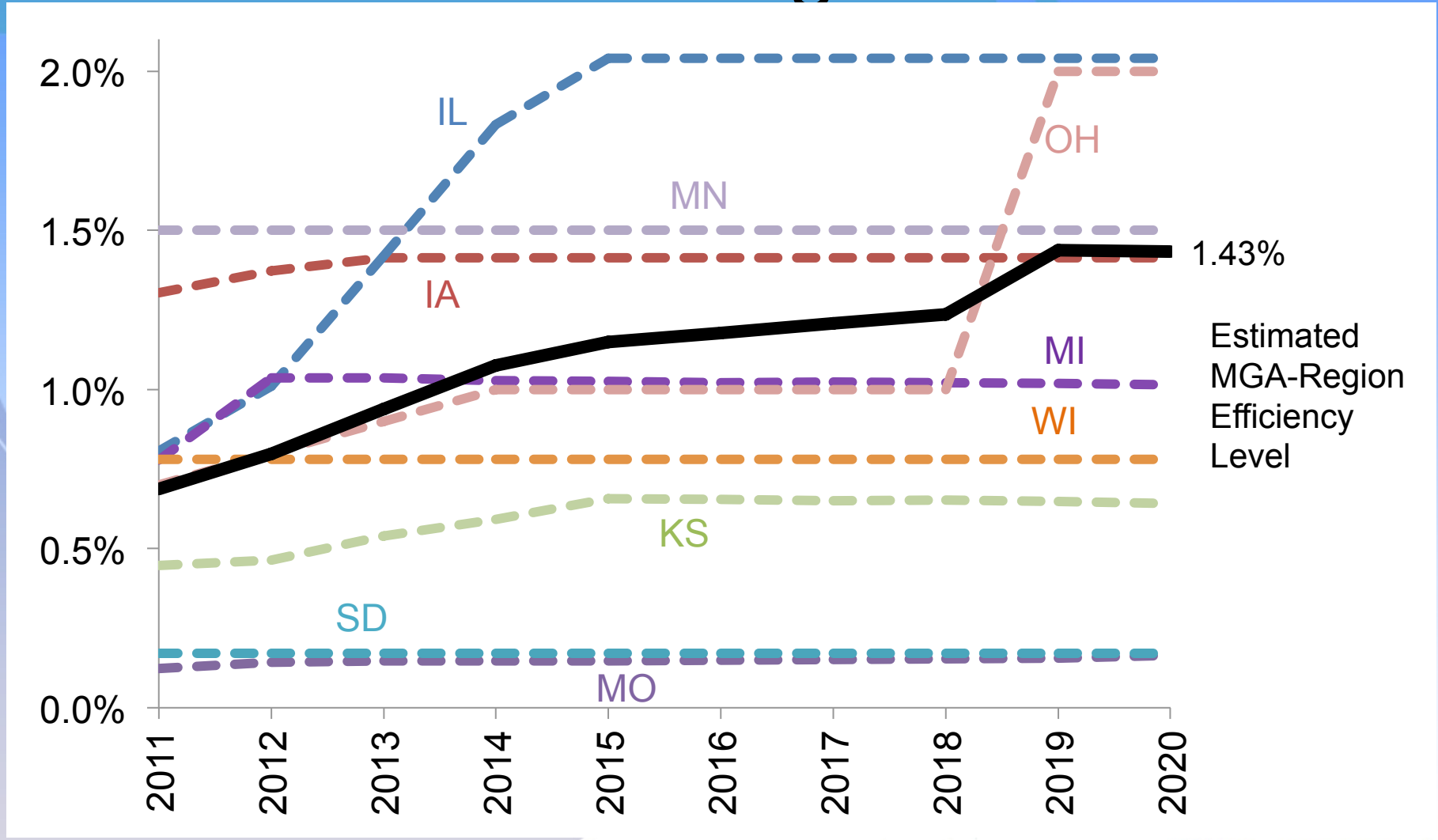
Midwestern Governors Association Energy Efficiency Goals

- Maximize economy-wide investment in energy efficiency initiatives that are less expensive than other energy options.
- Meet at least **2% of regional annual retail sales of electricity** and **1.5% of regional annual retail sales of natural gas** through energy efficiency improvements by 2015, and continue to achieve at those levels every year thereafter.

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The Path to 2% Regional Electricity Savings

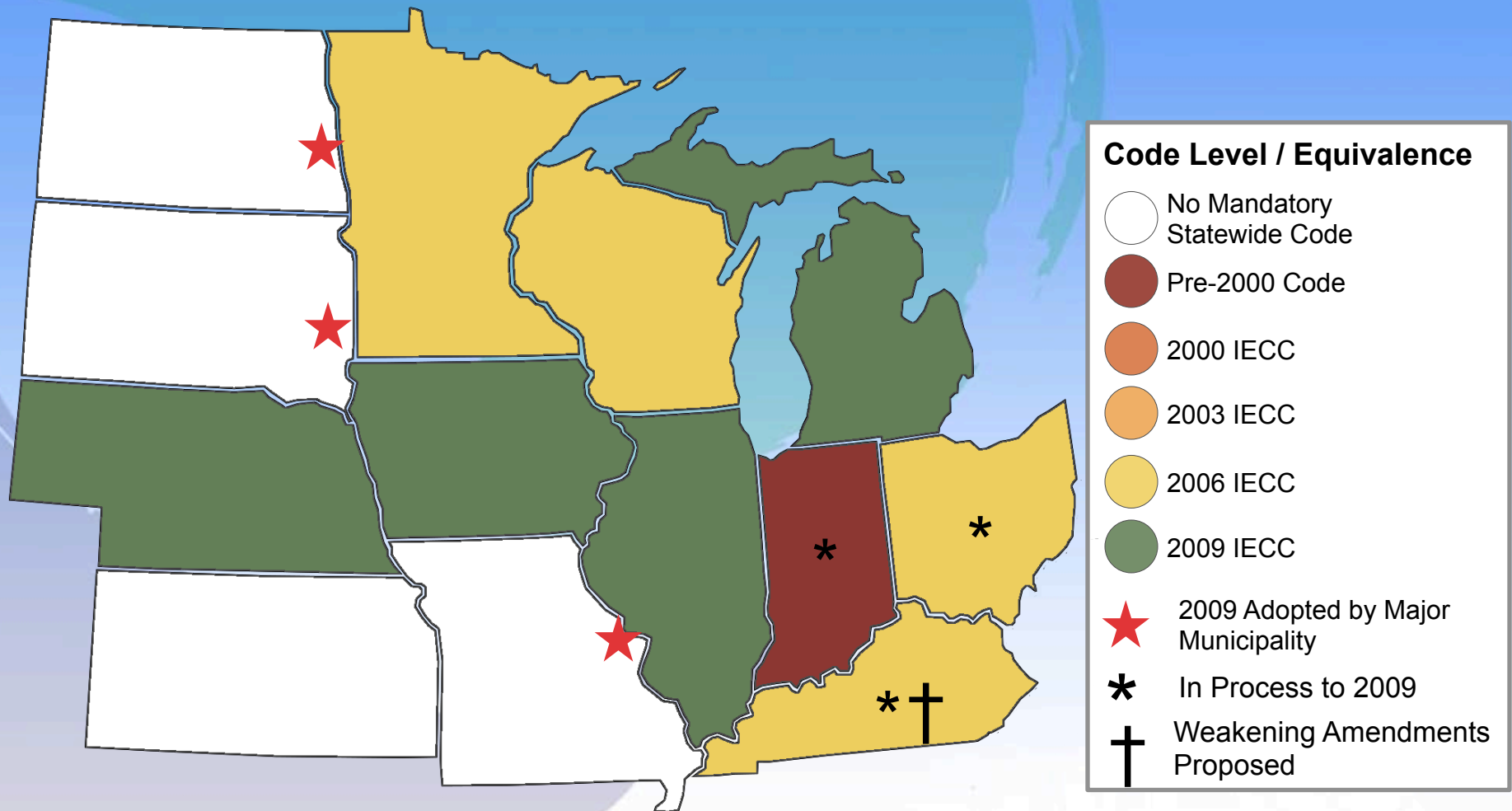


Source: MEEA Staff Estimates, May 2011



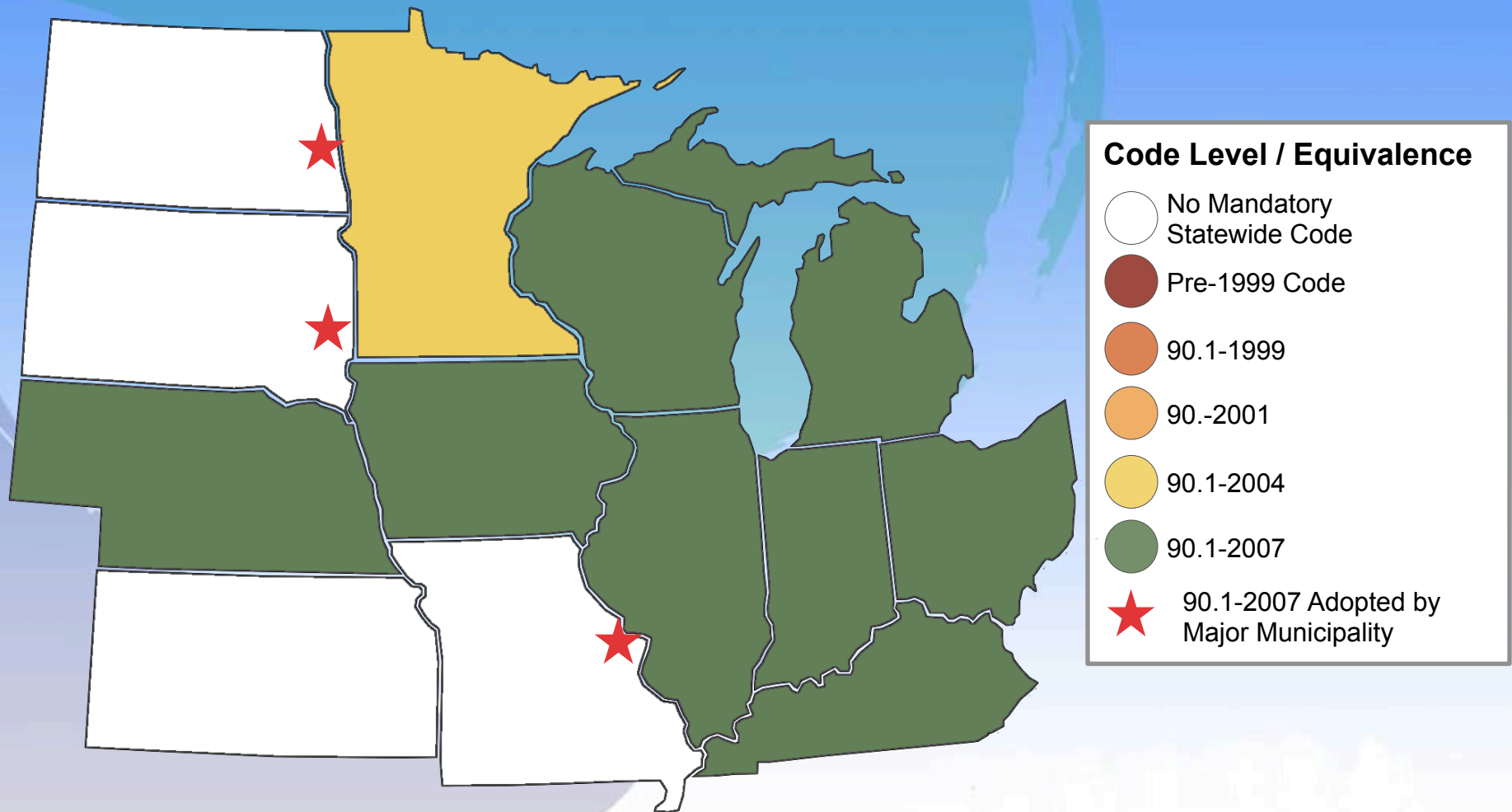
Residential Building Energy Code Adoption in the Midwest

As of August 2011



Commercial Building Energy Code Adoption in the Midwest

As of August 2011



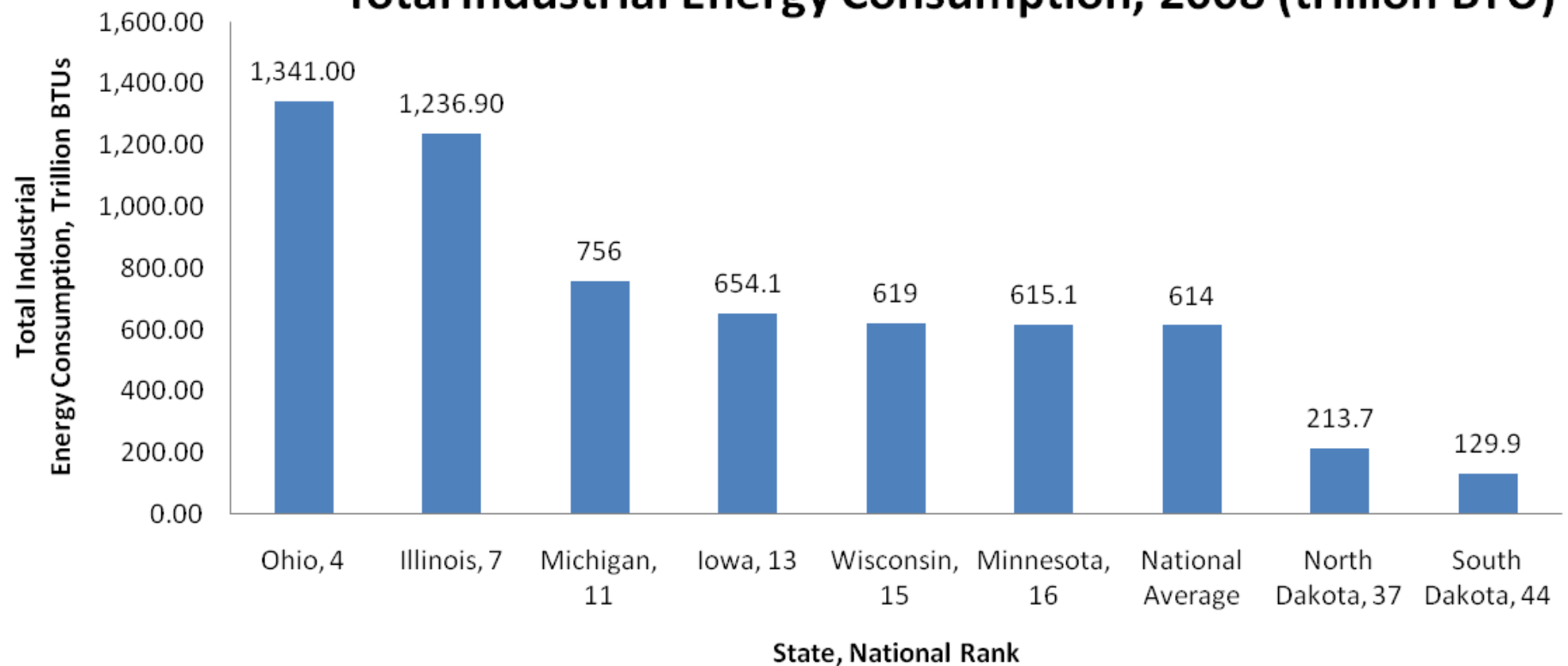
Building Energy Codes Midwest Activities

- Code Adoption (IECC 2009 and IECC 2012)
 - State and Municipal
- Codes Training
 - IECC, ASHRAE and Stretch Codes
- Compliance Pilot Studies
 - Plan to achieve 90% Compliance by 2017
- Utility Claimed Savings Programs
- Third Party Enforcement Programs

Regional Industrial Overview

Total Use: 6,179.70 Trillion BTU

Total Industrial Energy Consumption, 2008 (trillion BTU)



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Midwest Industrial Initiative

- Foundation-funded to promote EE with Industrials
- Catalog of regulatory statutes for Industrial efficiency
- Develop case studies and catalogue best practices as resource for utilities and industrials
- MEEA Role
 - Work with Federal, states, utilities, and industrial groups
 - Create a forum for idea sharing and networking
 - Coordinate with regional Industrial Assessment Centers
 - Convene discussions on new and emerging industrial technologies and processes
 - Link industrial customers to utilities and other programs
 - Encourage industry adoption of ISO 50001

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Midwest Regional Opportunities

- Education & Outreach
- Best Practices & Lessons Learned
- Statewide & Regional Program Implementation
- Regional EM&V
- Training Programs
- Technology & Program Pilots
- Response to new EPA and CAA regulations

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