

# **NAIMA**

**NORTH AMERICAN INSULATION  
MANUFACTURERS ASSOCIATION**

- The North American Insulation Manufacturers Association (NAIMA) is the association for manufacturers of fiber glass, rock wool, and slag wool insulation products in the U.S., Canada & Mexico. Its role is to promote energy efficiency and environmental preservation through the use of fiber glass, rock wool, and slag wool insulation.
- Located in Alexandria, VA
- [www.naima.org](http://www.naima.org)

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- NAIMA and its predecessor associations have existed since 1933, rendering services to all segments of the construction industry.
- NAIMA believes that stronger codes and better code enforcement brings a myriad of benefits to the public including cost savings, improved public health, a cleaner environment and increased comfort. NAIMA maintains an active voice with building code officials, standards bodies, and other group in the codes and standards process.

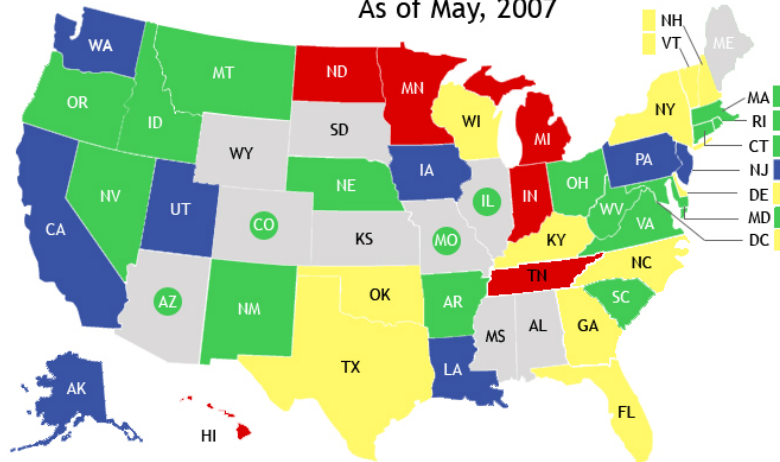
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- To ensure building practices and standards are consistent with industry products, NAIMA provides technical input and guidance to standards-setting organizations that are of critical importance to energy-efficient building design and maintenance
- NAIMA works closely with organizations like ASTM, ASHRAE and ICC

## Residential State Energy Code Status

As of May, 2007



- Adopted code meets or exceeds 2006 IECC or equivalent
- Meets 2003 IECC or equivalent
- Meets 1998-2001 IECC or equivalent (meets EPCA)
- Precedes 1998 IECC or equivalent (does not meet EPCA)
- No statewide code
- New code soon to be effective
- Significant adoptions in jurisdictions

Source:  
Building Codes Assistance Project  
[www.bcapp-energy.org](http://www.bcapp-energy.org)

## Residential Codes on Louisiana

- No residential codes were adopted in Louisiana until Hurricanes Katrina & Rita
- **ACT 12** became law during 1<sup>st</sup> Extraordinary Session of the 2005 Legislature
- ACT 12 mandated a statewide uniform construction code effective 1/1/07



## ACT 12

- All municipalities & parishes shall enforce only codes provided for in this Act
- Code shall be updated every 3 years
- Emergency wind & flood mitigation requirements of 2003 IRC go into effect 30 days from effective date (11/29/05) for areas that have code enforcement procedures & 90 days for other areas



## ACT 12

- Council shall adopt & amend only latest editions of the following as the state uniform construction code:
  - International Building Code, not including administrative, accessibility, electrical & plumbing
  - International Residential Code, not including administrative, mechanical, plumbing & electrical
  - International Existing Building Code
  - International Mechanical Code
  - Louisiana State Plumbing Code
  - International Fuel Gas Code
  - National Electric Code



## Building Energy Codes

- Only tools available to guarantee energy efficient construction
- Actually saves money for homeowners
- Increased construction costs:
  - Not all attributable to code requirements
  - Permit & inspection fees may be inflated
  - Usually paid back from utility savings
  - Savings from utility bills flow into local economy



## Building Energy Codes

- Other states have already been through growing pains (nearby examples - Texas & Georgia)
- Higher costs seen initially after code adoptions, quickly fell when all suppliers carry new components
- DNR documented in TX; Gave details to House Commerce Committee in 2005
- Detailed engineering studies have shown that energy codes pay back in 8 – 9 years.



## National & Local Tools Create Energy Efficiency

- Two (2) Examples
  - State Energy Programs (SEP)
  - Home Energy Rebate Option (HERO)



## State Energy Programs (SEP)

- Each \$1 of Federal SEP funding returned annual savings of 1.03 million source BTUs and a cost savings of \$7.22
- SEP funding and support contributed to a tremendous number and variety of outputs, including:
  - State adoption of 22 new residential codes and 20 non-residential building codes
  - Retrofitting of 153 million square feet of building space
  - Provision of approximately \$46 million of tax credits, \$30 million of loans, \$21 million of rebates, and \$12 million of grants



## State Energy Programs (SEP)

- Each \$1 of SEP funding leveraged \$10.71 from non-federal sources
- Estimated annual energy savings from the activities performed by the states and territories during their 2002 program year totaled 47.6 trillion source BTUs and cost savings exceeded \$333 million



## HERO

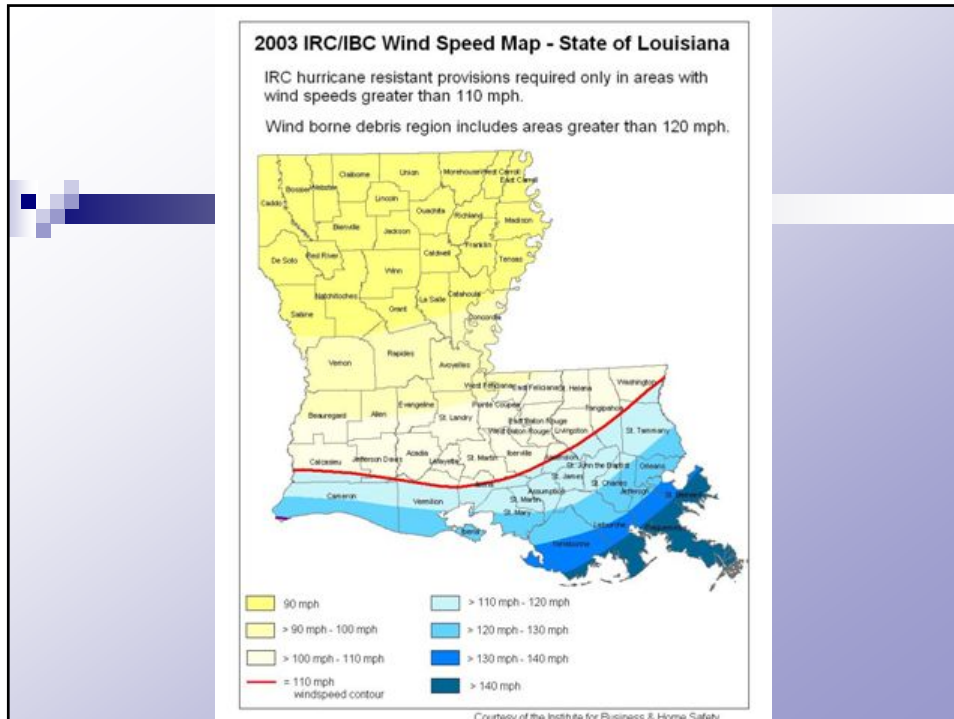
- Louisiana Home Energy Rebate Option
  - HERO homes have saved \$136MM on utility bills due to houses being built to higher energy standards
  - HERO homes have save 4.9 Trillion btu's through December 2006



## 2007 Louisiana Legislative Session

- More than 20 bills have been introduced to change ACT 12
- Some of the sentiment:
  - Postpone enforcement to later date
  - Exempt north half of state from enforcement
  - Repeal ACT 12 entirely





## 2007 Louisiana Legislative Session

- Representative Gil Pinac is chairman of the House Committee on Commerce
- Representative Pinac, original champion of ACT 12, is trying to improve ACT 12 & keep it intact
- Your support is needed & appreciated

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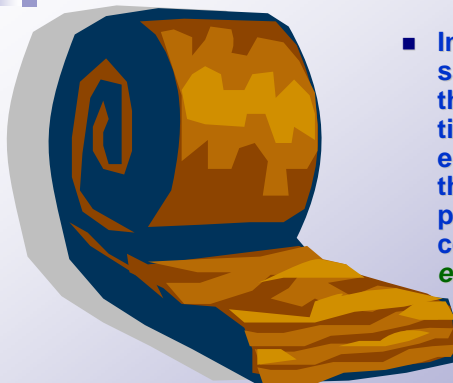


## Impact of Energy

- Buildings account for nearly 40% of all energy used in the US. (2005 DOE Buildings Energy Databook)
- Americans spend \$1 million on energy every minute (EIA/DOE)
- The average family spends \$1,500 a year on energy bills, nearly half of which goes to heat and cool the home. (*energystar.gov, A Guide to Energy Efficient Home Cooling and Heating*)



## Impact of Insulation



- **Insulation saves more than 600 times the energy of these other products combined each year**



## Impact of Insulation

- NAIMA members save more than 2B tons of material each year from landfills
- Insulation saves 43 percent of the total energy that would otherwise have been used in new single-family homes
- A typical pound of insulation saves twelve times as much energy in its first year in place as the energy used to produce it



## Energy Codes (Summary)

- Save energy
- Pay back on utility bills
- Utilize many products to achieve results
  - Energy efficient windows & doors
  - Energy efficient HVAC systems
  - Properly installed insulation products
  - Good quality construction practices
- Make sure Energy Codes are in place & enforced



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