

# EECC

Energy Efficient Codes Coalition



1850 M Street, NW • Suite 600 • Washington, DC 20036 • Phone: (202) 857-0666 • [www.thirtypercentsolution.org](http://www.thirtypercentsolution.org)

***Presentation by  
William Fay  
Energy Efficient Codes Coalition***

*Before*

***NASEO Annual Meeting***

*September 8, 2008*

*Overland Park, KS*



*On September 21<sup>st</sup> or 22<sup>nd</sup>,  
ICC Government Members  
meeting in Minneapolis will cast*

**America's most significant  
Energy, Environmental and  
Climate Policy Vote of 2008:  
"The 30% Solution"!!**



## The Energy Efficient Codes Coalition:

*A New Alliance – including NASEO –  
with a New “Campaign-Style” Approach  
and a Comprehensive Proposal that  
Boosts the Energy Efficiency of New  
Home Construction by 30%!*

# Our Goals to Winning “The 30% Solution”

- *30%: Ambitious, but Achievable AND Affordable*
- *Build a Broad Advocate Base*
- *Compelling Case for Stronger Model Energy Code*
- *Defend 1<sup>st</sup> Round Gains; Add Other Proposals*
- *Educate, Energize & Engage Elected Officials/  
Policymakers/Media*
- *Focus a Spotlight on ICC and Need for Energy  
Efficiency Leadership*
- *Get Pro-Energy Efficiency Voting Members to  
Minneapolis*

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## Why Are Codes So Important?



## The Stakes Are High

- *Homes/buildings: 40% of US energy, 71% of US electricity; largest source of US GHG*
- *National imperatives:*
  - *Improve energy security*
  - *Lower energy demand/cost*
  - *Reduce greenhouse gas emissions*



## The Stakes Are High

- *Last great frontier of wasted energy*
- *Today's homes will last 2-3 generations*
- *McKinsey: "30% Solution" measures among most cost-effective means of GHG reduction*
- *Only modest energy efficiency gains in IECC model code since 1991*

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## What is “The 30% Solution?”



## “The 30% Solution”

- *The ONLY proposal before the ICC that will boost IECC – the ONLY nationally recognized model energy code – by 30%*
- *Establishes ONE model energy code – the IECC*
- *Narrowly defeated on a 6-8 vote by Development Committee in February*
- *US DOE supported the original; worked with EECC to draft “New & Improved” version*
- *Reformulated to include 14 proposals recommended by Development Committee + 7 improved proposals & Resubmitted*
- *NREL concludes 30% = \$511 in positive cash flow to homeowners*



# Who Supports “The 30% Solution?”

## Government

- US Department of Energy
- US Conference of Mayors
- National Association of State Energy Officials
- ICLEI

## Broad-Based Energy Efficiency Grps

- The Alliance to Save Energy
- American Council for an Energy Efficient Economy (ACEEE)
- United Nations Foundation

## Regional Energy Alliances

- Midwest Energy Efficiency Alliance (MEEA)
- Northeast Energy Efficiency Partnerships (NEEP)
- Northwest Energy Codes Group
- Southeast Energy Efficiency Alliance (SEEA)
- Southwest Energy Efficiency Project (SWEEP)

## Academia/Think Tanks

- American College and University Presidents Climate Commitment
- Institute for Market Transformation
- New Buildings Institute

## Affordable Housing Advocates

- Global Green

## Business & Insurance

- American Chemistry Council
- Business Council for Sustainable Energy
- Cardinal Glass
- Current Energy
- Extruded Polystyrene Foam Association (XPSA)
- Firemans Fund
- North American Insulation Manufacturers Assn (NAIMA)
- Polyisocyanurate Insulation Manufacturers Assn (PIMA)
- Structural Insulated Panel Association (SIPA)

## Energy Consumers

- Consumers Federation of America

## Environmental Groups

- 2020 Vision
- Environment America
- Natural Resources Defense Council (NRDC)
- Sierra Club

## Utilities

- American Public Power Association
- Edison Electric Institute
- National Rural Electric Cooperative Association

# **Our Challenge . . . All Could Be Lost in Minneapolis!**

***In February Development Committee hearings,  
we got about halfway to our 30% goal***

***Holding onto/adding to Round One gains will be  
challenging:***

➤ ***Opponents:***

- *Well connected at national/state/local level*
- *Strong ties with voting code officials*
- *Arguments: 30% too costly, too complex, too burdensome*

➤ ***Process favors status quo (or baby steps)***

- *No recorded votes*
- *Need a majority to hold Round One gains*
- *Need 2/3 to pass amendments (to get to 30%+)*

# **The ABC Conundrum!**

***As I speak, an effort by an obscure special-interest group is trying to eliminate the IECC in favor of the IRC***

***ABC pretends to be pro energy efficiency, but***

- ***Has authored no proposals that would boost energy efficiency***
- ***Tried to undermine the US Conference of Mayors resolution***
- ***Did not respond to US DOE's request to help find additional proposals to add to Palm Springs gains***

***ABC's Success would:***

- ***Undo the gains we made in Minneapolis***
- ***Prevent additional in energy efficiency gains in Minneapolis and in the future***
- ***Take the "Least Common Denominator" Approach to Energy Codes***

***Our Solution: Eliminate the IRC in favor of the IECC  
(the only model code recognized in federal law)***



## Why State Energy Officials *Have* Gotten Involved

- **A Unique Opportunity to Lead** – NASEO can take a *giant step for America's energy, environmental & climate future.*
- **State Employees Control the Outcome** – ICC Government Members (*State Energy* officials and municipal/county code officials) in Minneapolis this September will decide fate of "The 30% Solution"
- **Significant Impact of Success or Failure** - 2009 IECC could impact 3 million+ homes to be built through 2012
  - Homes & other buildings use over 40% of US energy, 75% of US electricity & account for 40% of US GHG.
  - America can't hope to achieve energy and climate policy without addressing this last frontier of wasted energy.



## How You *Can* Get Involved

- Join the ICC & Send voting delegates to Minneapolis (deadline was last Friday).
- If you didn't register, you can still influence outcome
  - Reach out to mayors and voting delegations from state and local governments
  - **Urge delegates from your state to vote in support "The 30% Solution"** – Give them our ballot and tell them why boosting our nation's energy efficiency is critical to your state and its public policy objectives.
  - **Emphasize fire officials**
    - Other important vote of Final Action Hearings is sprinklers
    - Common adversary
    - Funds from ICLEI will pay for them to stay 3 extra days



## Make Codes a Priority

- *Congress Has.*
- *“The 30% Solution” is only a near-term “solution” . . . For our nation’s energy, environmental and climate policies to be successful, homes and commercial buildings must be steadily improved.*
- *Process to improve 2009 IECC – with or without “The 30% Solution” begins again in March 2009.*
- *There’s no victim – “green” homebuilders so offer guarantees of lower utility costs. NREL research finds home that’s 60% beyond code is “break even.” New technologies and economies of scale will make continual improvements in affordability.*

# The US Department of Energy: *“Energy Efficiency Pays Dividends to Homeowners!!”*

A Study by the National Renewable Energy Laboratory	New Home Construction % Beyond IECC <sup>[1]</sup>		
	30%	40%	50%
Estimated Incremental First Cost Relative to Standard Practice	\$ 4,000	\$ 7,000	\$ 13,000
Annual Amortized Cost 7%, 30 Year mortgage <sup>[2]</sup>	\$ 211	\$ 411	\$ 706
Estimated Annual Utility Bill Savings	\$ 723	\$ 919	\$ 1,162
Net Annual Savings (Extra money in the homeowner’s wallet)	\$ 512	\$ 508	\$ 456

2000 ft<sup>2</sup>, 2-story, 16% window to floor ratio, unconditioned basement

Assumes 28% marginal tax bracket and includes present value of future replacements of equipment over 30 yr life of mortgage

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## Thank You!

Contact:

**William D. Fay**

*Code Coalition Director*

*1850 M Street, NW; Suite 600*

*Washington, DC 20036*

*(202) 857-0666 (office)*

*(202) 530-2214 (direct)*

*(202) 744-4572 (mobile)*

[bfay@ase.org](mailto:bfay@ase.org)