

# Let's Put America's Building Energy Code on a Glide Path of Steady Gains



**THE POWER IS IN YOUR HANDS!**

**America's Building Energy Policy  
Determined by Local Government**

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*Executive Director*

**Chris Perry**

*ACEEE*



# Buildings Are The “Elephant In The Room” of National Energy Policy

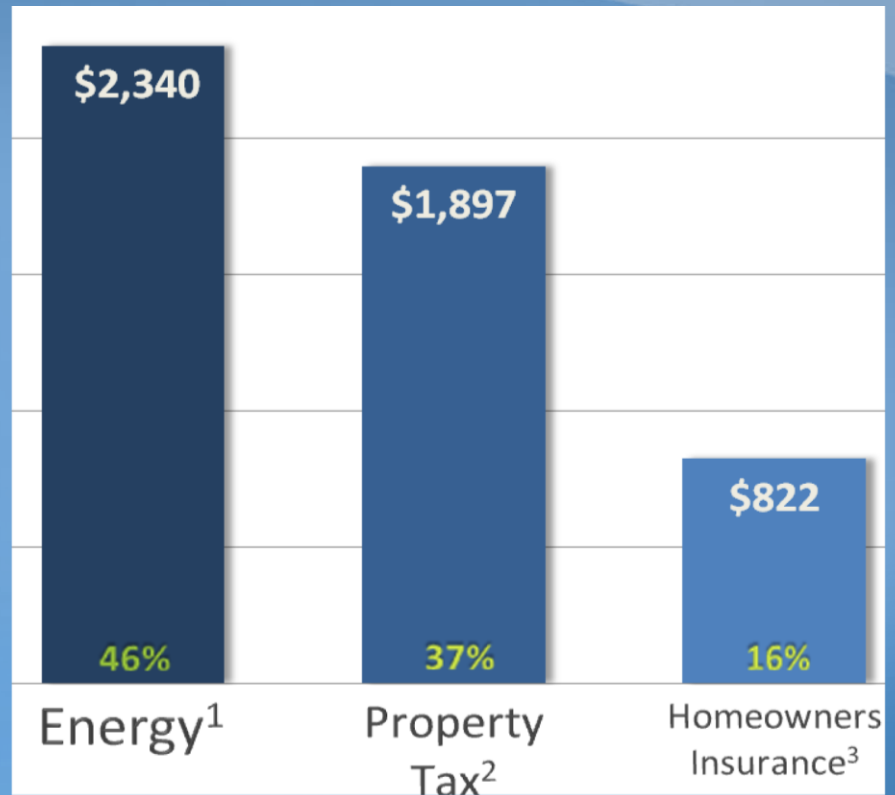
America's Homes & Commercial Buildings use:

- ✓ 42% of all energy
- ✓ 54% of natural gas
- ✓ 71% of electricity

... And account for 39% of US GHGs



**AFTER MORTGAGE,  
PRINCIPAL &  
INTEREST,  
ENERGY IS THE  
HIGHEST COST OF  
HOME OWNERSHIP**



**Average U.S. Homeowner Costs  
2007-2008**

# Buildings Last 70, 80, Even 100 Years

- Failing to address building energy efficiency will hinder sound national energy efficiency goals for 4-5 generations.
- “Build It Right the First Time” – Efficiency retrofits far more costly than the same improvements at initial construction.
- At today’s energy costs, an average home’s energy bills will total \$170,000!!!

# Building Energy Codes



Who Develops America's Building Energy Code (the IECC)?

**Local and State Officials from Across America!**

Who Enacts Building Energy Codes?

**State & Local Governments**

Who Enforces Building Energy Codes?

**Mostly Local Governments**



# America's Big Unsung Secret:

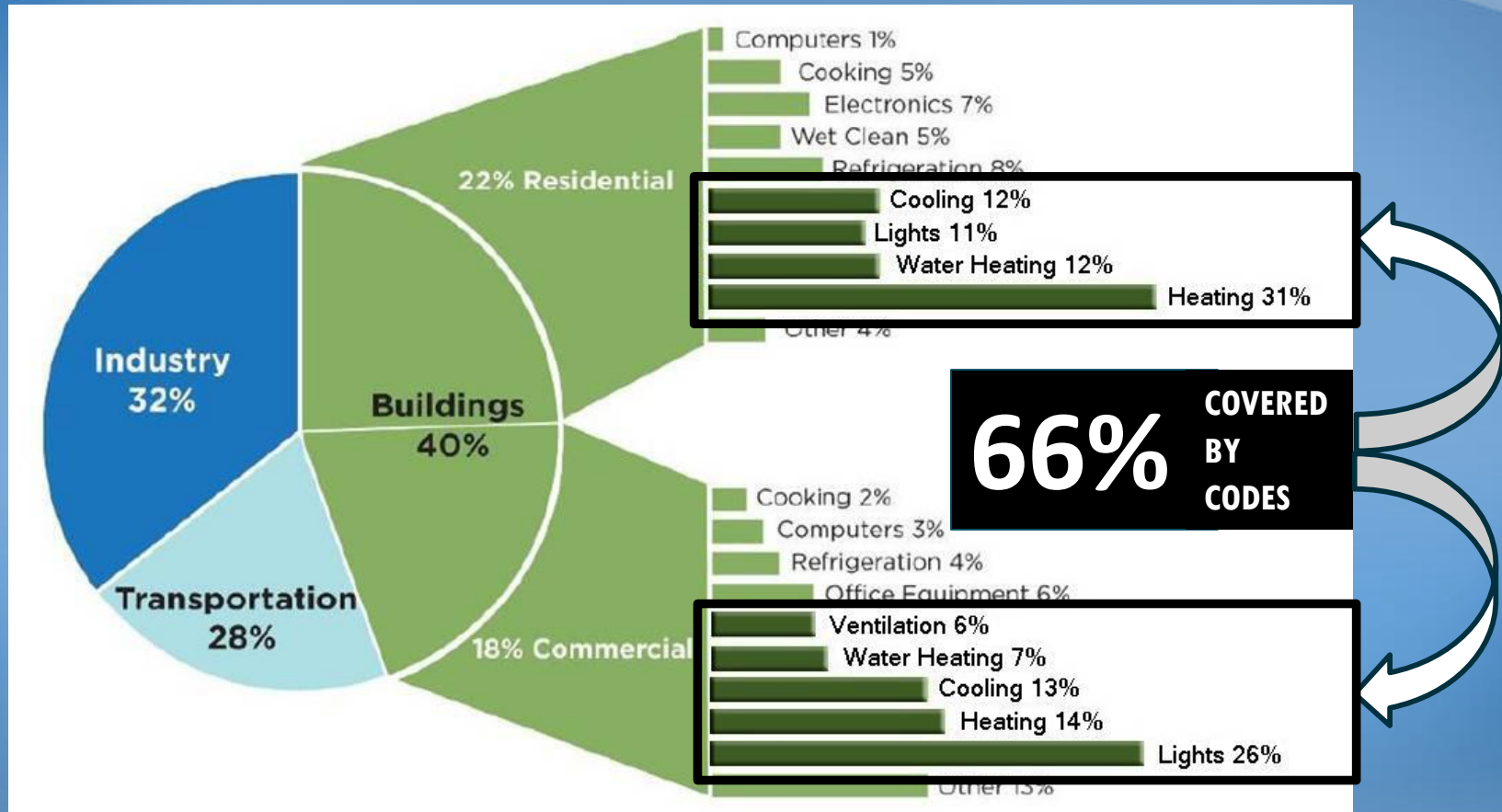
Since 2008, Local Governmental  
Officials Have *(almost)*  
Singlehandedly Boosted the  
Efficiency of America's Home &  
Commercial Building Energy Code  
by **38%**

Codes Are Tedious, Technical . . . Boring



BUT . . .

# Codes Are Essential To Reducing Wasted Energy From Buildings





# Mayors Strongly Support Dynamic IECC Efficiency Gains

Unanimously Adopt Resolutions: 2008, 2010,  
2013 . . . AND TWO WEEKS AGO!

- Endorse “30% Solution” & 5% Gain “Builder Flex”
- Oppose Rollbacks and Trade-Offs that Weaken the Stringency of Gains
- Encourage Municipal Support for All Eligible Code Officials to Vote



THE UNITED STATES CONFERENCE OF MAYORS

*The Voice of America's Mayors in Washington, DC*

# Codes Stabilize Grids; Delay the Need For New Power Plants

## The 2011 Prediction:

Continued savings of the magnitude of recent efficiency gains in building energy codes and appliance standards

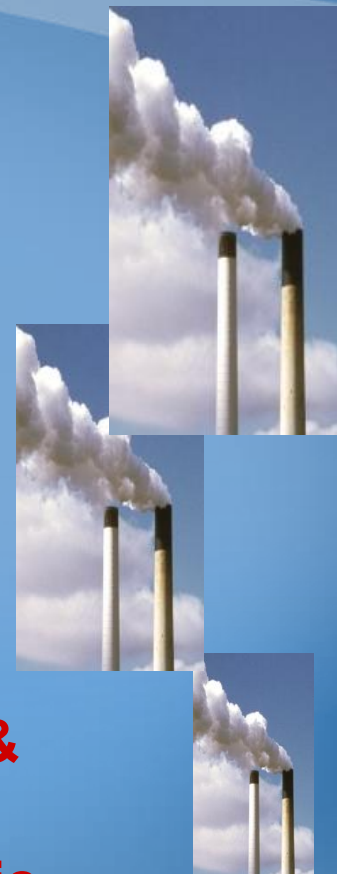
**“will completely offset the anticipated growth in demand in the residential, commercial, and industrial sectors combined, eliminating the need for additional power plants to serve these sectors through 2025.”**

*Institute for Electric Efficiency White Paper May 2011*

## The 2014 Evidence:

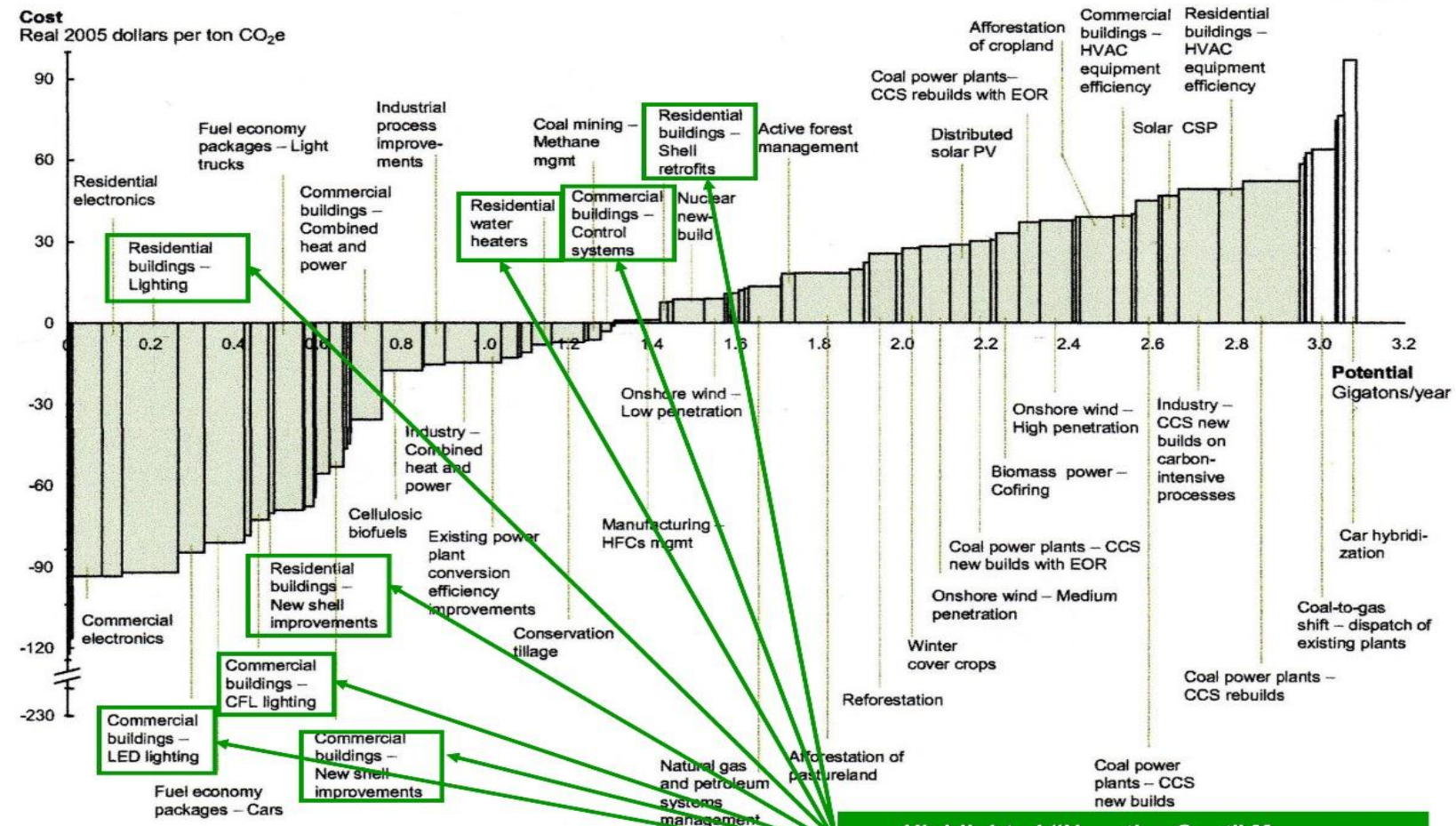
**“Improvements in energy efficiency for buildings & appliances appear to have broken the traditional connection between electricity demand & economic growth.”**

*Duke Energy CEO Lynn Good, 1/6/2014 Financial Times interview*



# Codes Are The Most Cost Effective Means of Reducing GHGs

## U.S. MID-RANGE ABATEMENT CURVE – 2030



Source: McKinsey analysis

# Codes Put Thousands in Homeowner Wallets

DOE study uses a life-cycle approach, balancing first costs against longer-term energy savings over typical 30-year mortgage – but savings continue for decades more

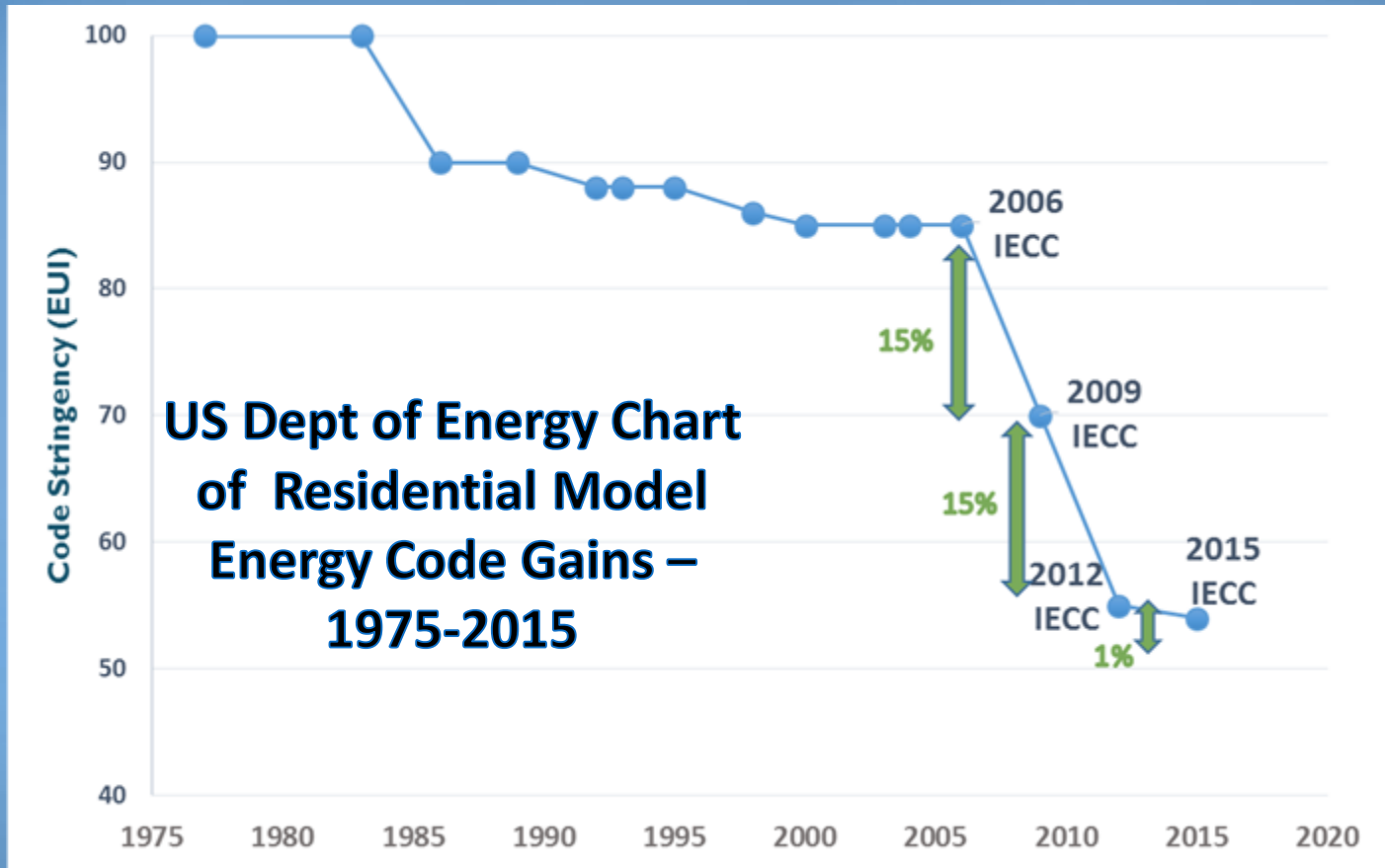
IECC Climate Zone	30-Year Life-Cycle Savings (\$US)		
	IECC 2009 vs. 2006	IECC 2012 vs. 2009	IECC 2012 vs. 2006
1	\$2,877	\$5,347	\$8,256
2	\$2,443	\$2,280	\$4,763
3	\$1,944	\$3,613	\$5,621
4	\$2,259	\$5,320	\$7,625
5	\$2,466	\$6,717	\$9,189
6	\$3,094	\$8,183	\$11,307
7	\$3,622	\$9,502	\$13,166
8	\$9,147	\$23,900	\$33,105



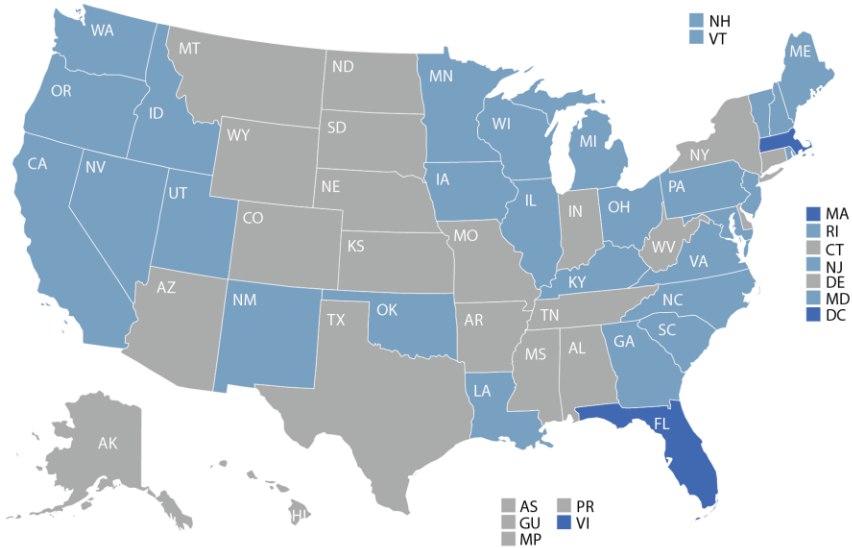
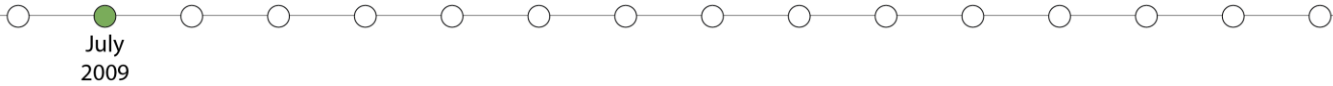
# Success to Date . . . And How We *Got* There



# Progress – 38-54% Efficiency Boost

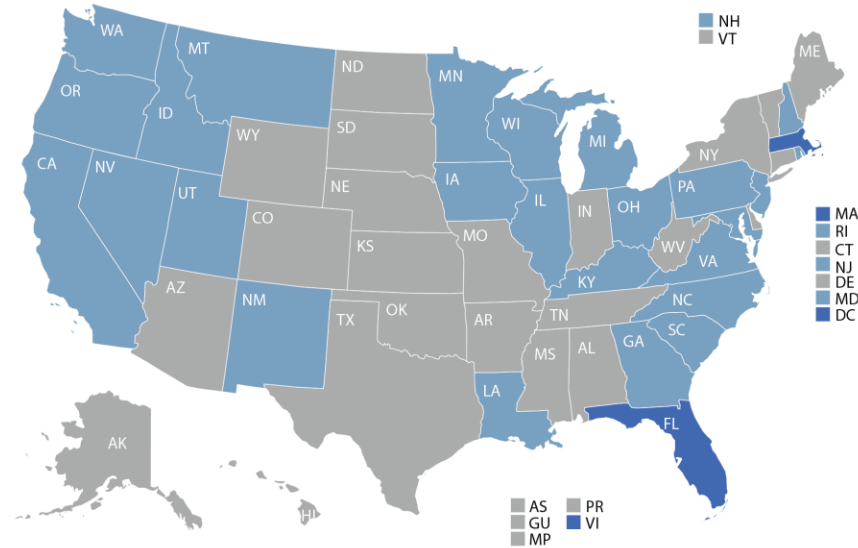






### Commercial State Energy Code Status

- 0 meets or exceeds ASHRAE Standard 90.1-2013 or equivalent
- 0 meets or exceeds ASHRAE Standard 90.1-2010 or equivalent
- 4 meets or exceeds ASHRAE Standard 90.1-2007 or equivalent
- 27 meets or exceeds ASHRAE Standard 90.1-2004 or equivalent
- 25 no statewide code or precedes ASHRAE Standard 90.1-2004

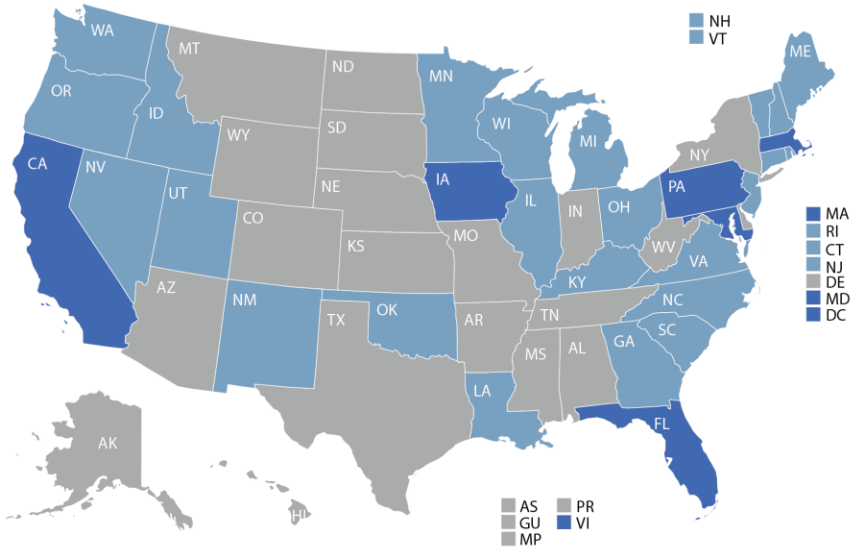


### Residential State Energy Code Status

- 0 meets or exceeds the 2015 IECC or equivalent
- 0 meets or exceeds the 2012 IECC or equivalent
- 4 meets or exceeds the 2009 IECC or equivalent
- 24 meets or exceeds the 2006 IECC or equivalent
- 28 no statewide code or precedes the 2006 IECC

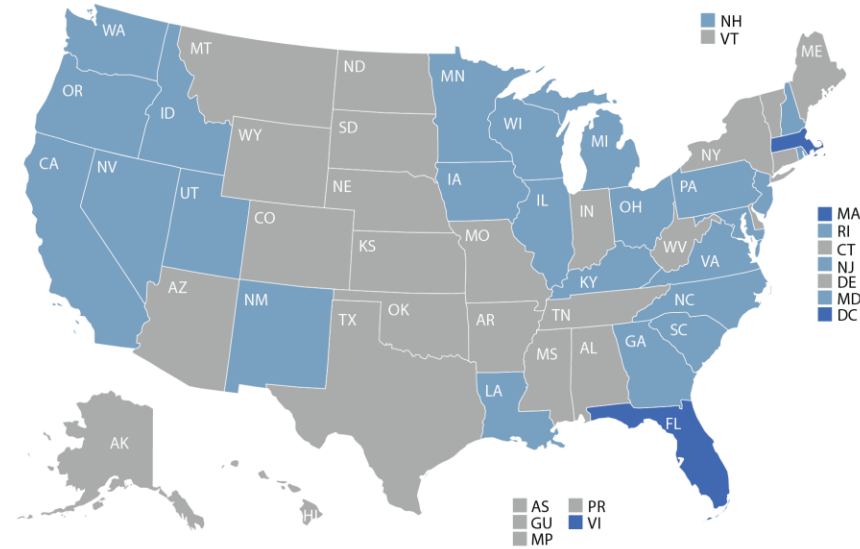


January  
2010



- 0 meets or exceeds ASHRAE Standard 90.1-2013 or equivalent
- 0 meets or exceeds ASHRAE Standard 90.1-2010 or equivalent
- 8 meets or exceeds ASHRAE Standard 90.1-2007 or equivalent
- 24 meets or exceeds ASHRAE Standard 90.1-2004 or equivalent
- 24 no statewide code or precedes ASHRAE Standard 90.1-2004

## Commercial State Energy Code Status

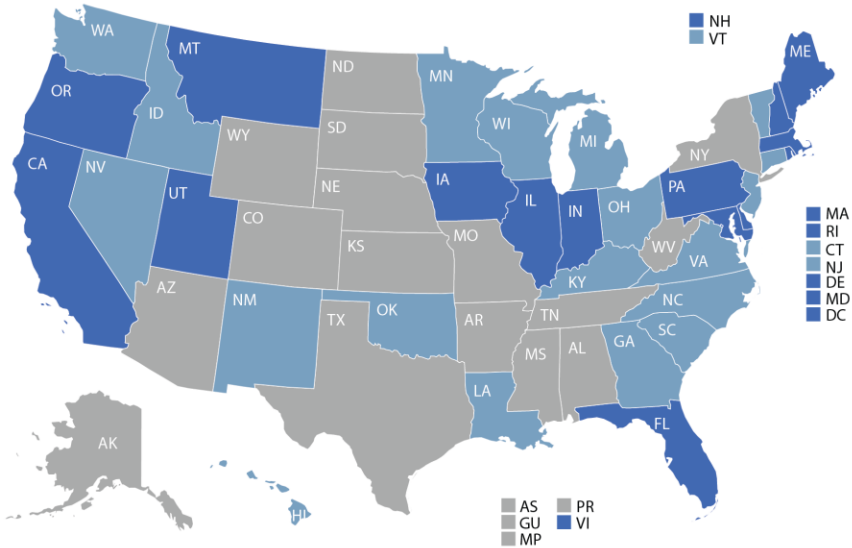


- 0 meets or exceeds the 2015 IECC or equivalent
- 0 meets or exceeds the 2012 IECC or equivalent
- 4 meets or exceeds the 2009 IECC or equivalent
- 24 meets or exceeds the 2006 IECC or equivalent
- 28 no statewide code or precedes the 2006 IECC

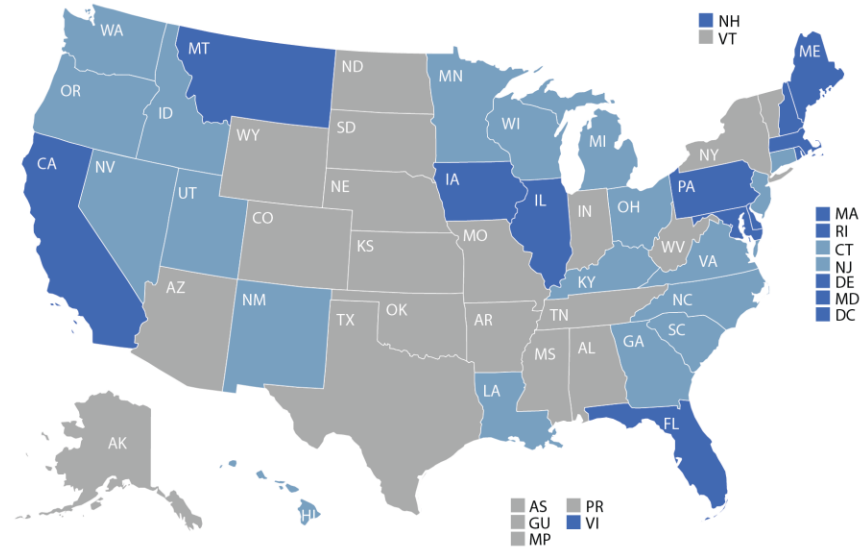
## Residential State Energy Code Status



July  
2010



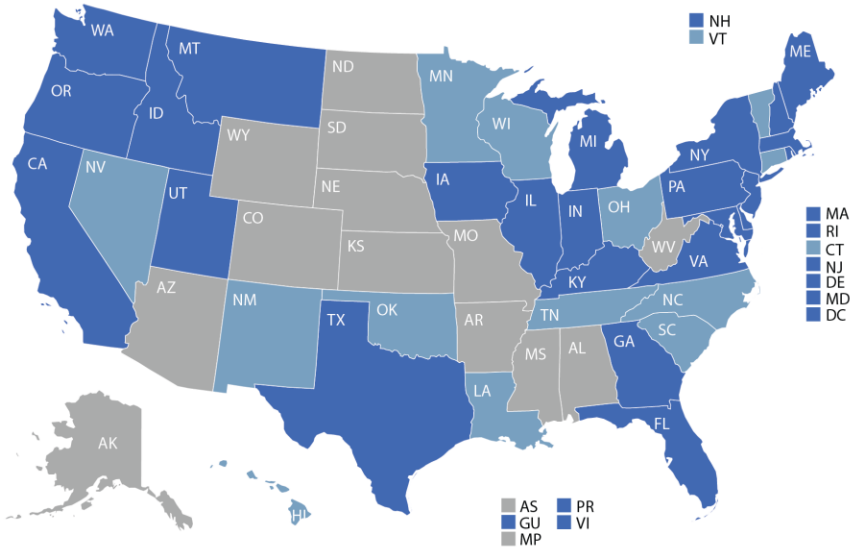
### Commercial State Energy Code Status



### Residential State Energy Code Status

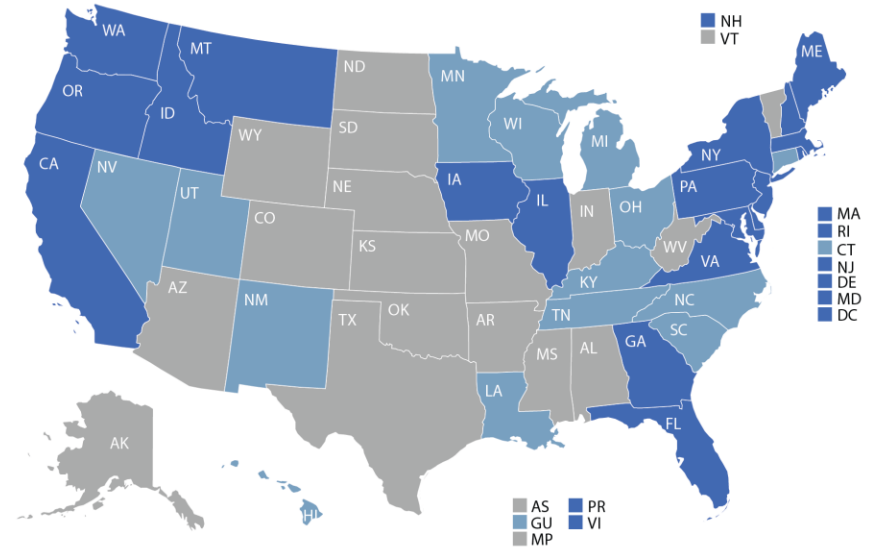


July  
2011



## Commercial State Energy Code Status

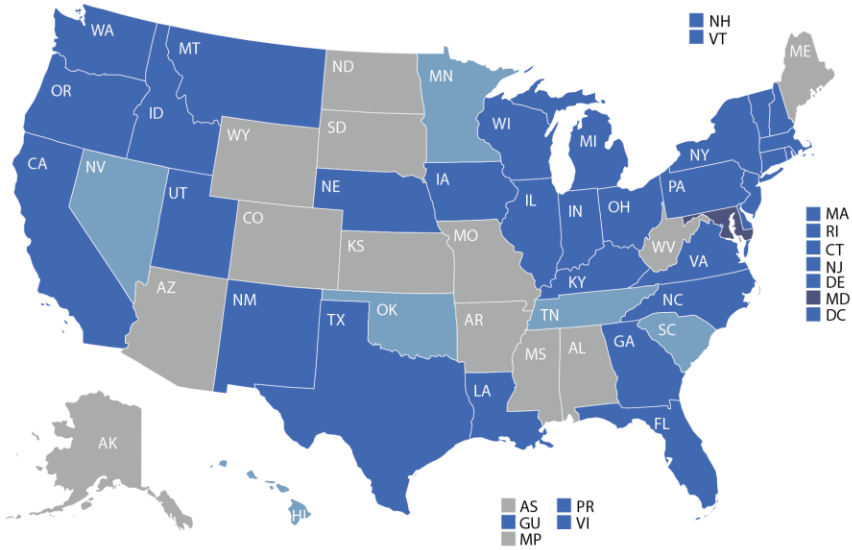
- 0 meets or exceeds ASHRAE Standard 90.1-2013 or equivalent
- 0 meets or exceeds ASHRAE Standard 90.1-2010 or equivalent
- 28 meets or exceeds ASHRAE Standard 90.1-2007 or equivalent
- 13 meets or exceeds ASHRAE Standard 90.1-2004 or equivalent
- 15 no statewide code or precedes ASHRAE Standard 90.1-2004



## Residential State Energy Code Status

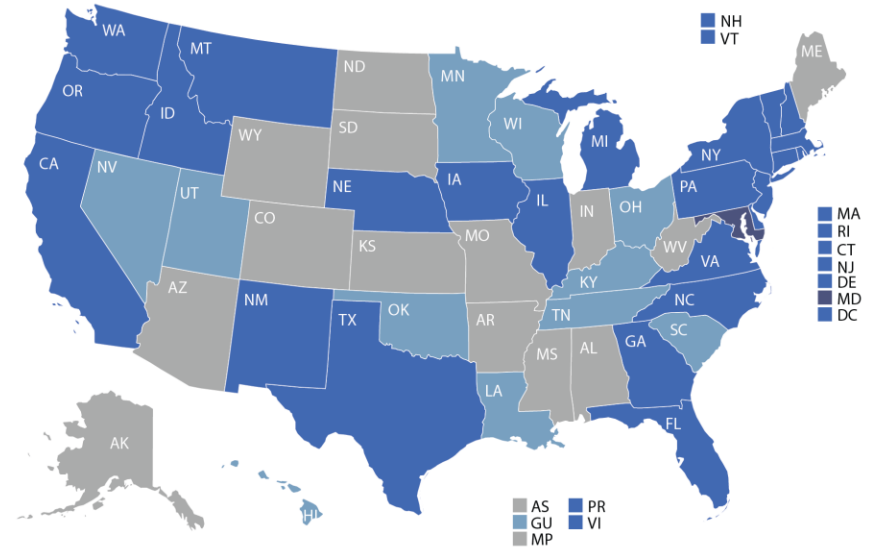
- 0 meets or exceeds the 2015 IECC or equivalent
- 0 meets or exceeds the 2012 IECC or equivalent
- 23 meets or exceeds the 2009 IECC or equivalent
- 14 meets or exceeds the 2006 IECC or equivalent
- 19 no statewide code or precedes the 2006 IECC

January  
2012



## Commercial State Energy Code Status

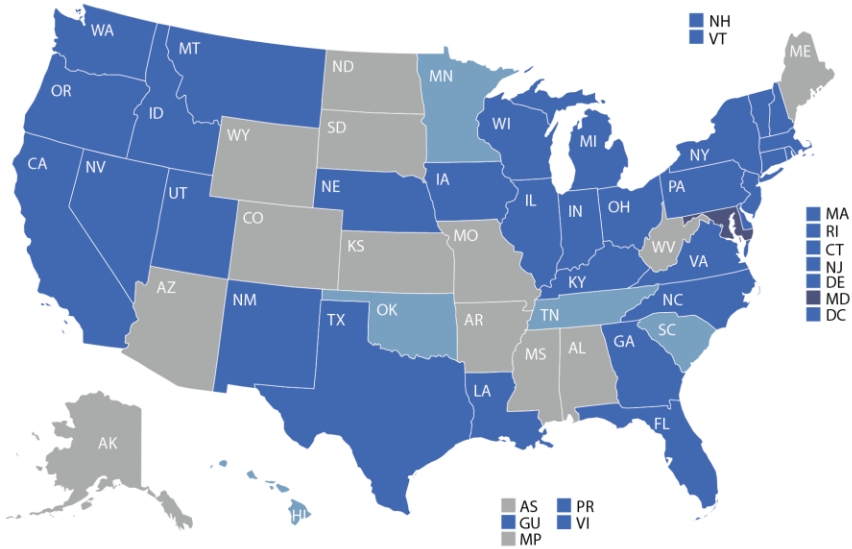
- 0 meets or exceeds ASHRAE Standard 90.1-2013 or equivalent
- 1 meets or exceeds ASHRAE Standard 90.1-2010 or equivalent
- 35 meets or exceeds ASHRAE Standard 90.1-2007 or equivalent
- 6 meets or exceeds ASHRAE Standard 90.1-2004 or equivalent
- 14 no statewide code or precedes ASHRAE Standard 90.1-2004



## Residential State Energy Code Status

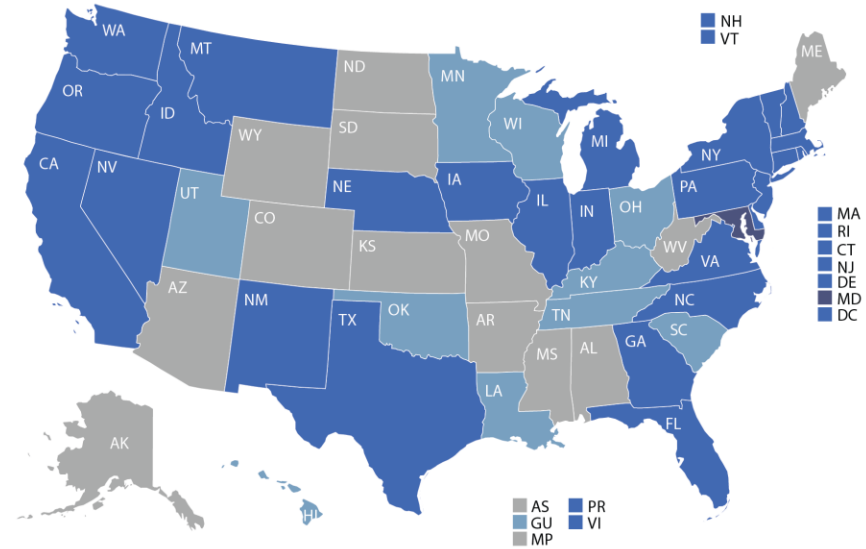
- 0 meets or exceeds the 2015 IECC or equivalent
- 1 meets or exceeds the 2012 IECC or equivalent
- 27 meets or exceeds the 2009 IECC or equivalent
- 12 meets or exceeds the 2006 IECC or equivalent
- 16 no statewide code or precedes the 2006 IECC

July  
2012



## Commercial State Energy Code Status

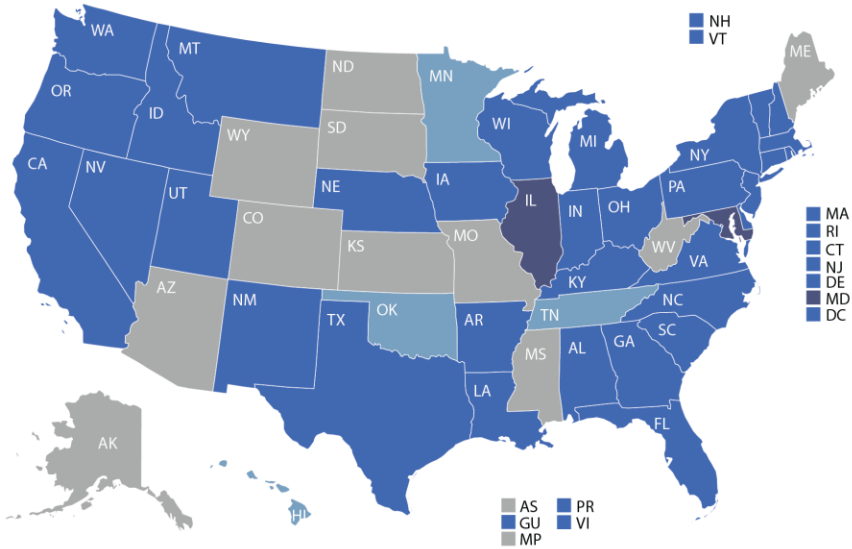
- 0 meets or exceeds ASHRAE Standard 90.1-2013 or equivalent
- 1 meets or exceeds ASHRAE Standard 90.1-2010 or equivalent
- 35 meets or exceeds ASHRAE Standard 90.1-2007 or equivalent
- 5 meets or exceeds ASHRAE Standard 90.1-2004 or equivalent
- 15 no statewide code or precedes ASHRAE Standard 90.1-2004



## Residential State Energy Code Status

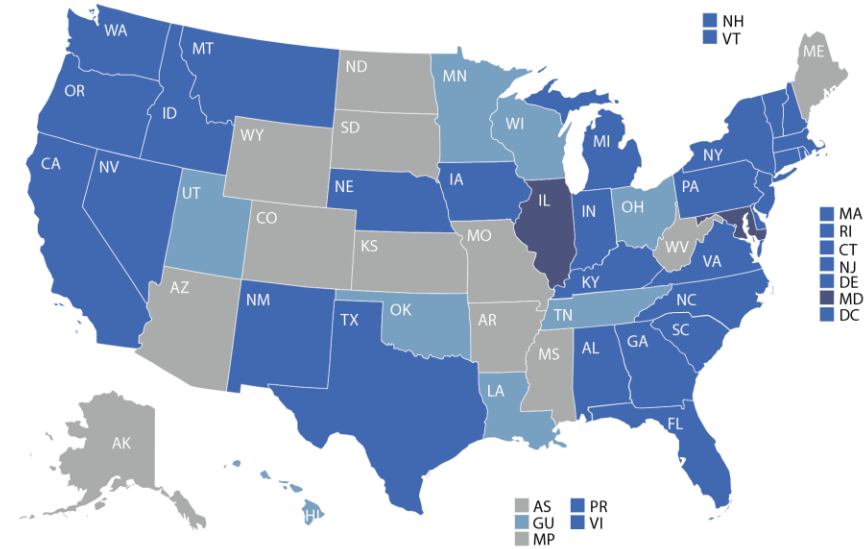
- 0 meets or exceeds the 2015 IECC or equivalent
- 1 meets or exceeds the 2012 IECC or equivalent
- 29 meets or exceeds the 2009 IECC or equivalent
- 11 meets or exceeds the 2006 IECC or equivalent
- 15 no statewide code or precedes the 2006 IECC

January  
2013



## Commercial State Energy Code Status

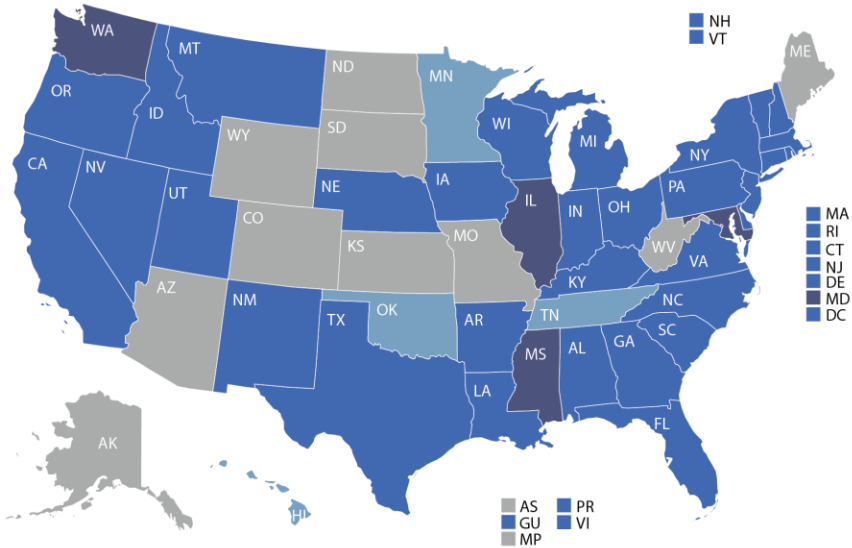
- 0 meets or exceeds ASHRAE Standard 90.1-2013 or equivalent
- 2 meets or exceeds ASHRAE Standard 90.1-2010 or equivalent
- 37 meets or exceeds ASHRAE Standard 90.1-2007 or equivalent
- 4 meets or exceeds ASHRAE Standard 90.1-2004 or equivalent
- 13 no statewide code or precedes ASHRAE Standard 90.1-2004



## Residential State Energy Code Status

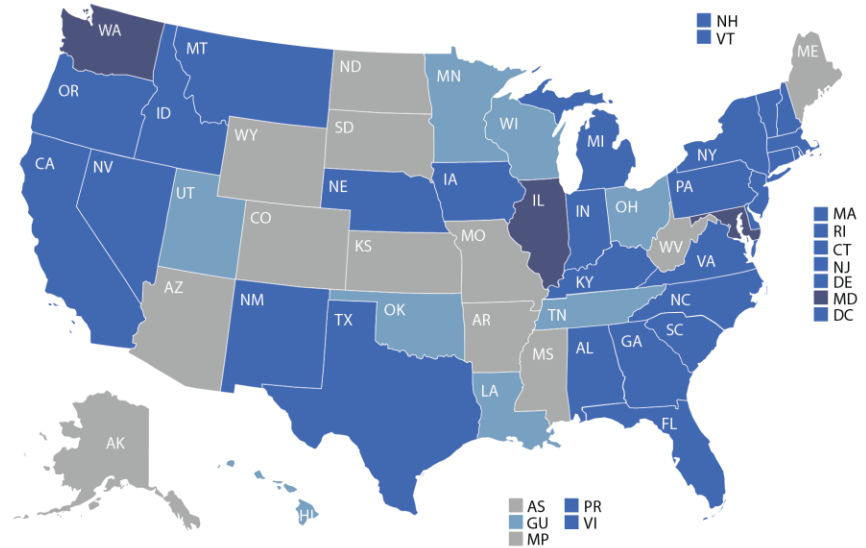
- 0 meets or exceeds the 2015 IECC or equivalent
- 2 meets or exceeds the 2012 IECC or equivalent
- 29 meets or exceeds the 2009 IECC or equivalent
- 11 meets or exceeds the 2006 IECC or equivalent
- 14 no statewide code or precedes the 2006 IECC

July  
2013



- 0 meets or exceeds ASHRAE Standard 90.1-2013 or equivalent
- 4 meets or exceeds ASHRAE Standard 90.1-2010 or equivalent
- 36 meets or exceeds ASHRAE Standard 90.1-2007 or equivalent
- 4 meets or exceeds ASHRAE Standard 90.1-2004 or equivalent
- 12 no statewide code or precedes ASHRAE Standard 90.1-2004

### Commercial State Energy Code Status

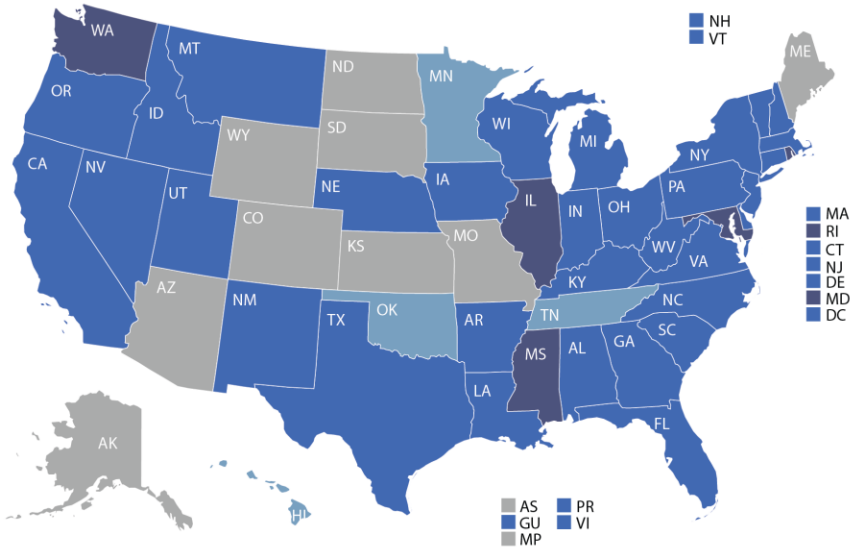


- 0 meets or exceeds the 2015 IECC or equivalent
- 3 meets or exceeds the 2012 IECC or equivalent
- 31 meets or exceeds the 2009 IECC or equivalent
- 8 meets or exceeds the 2006 IECC or equivalent
- 14 no statewide code or precedes the 2006 IECC

### Residential State Energy Code Status

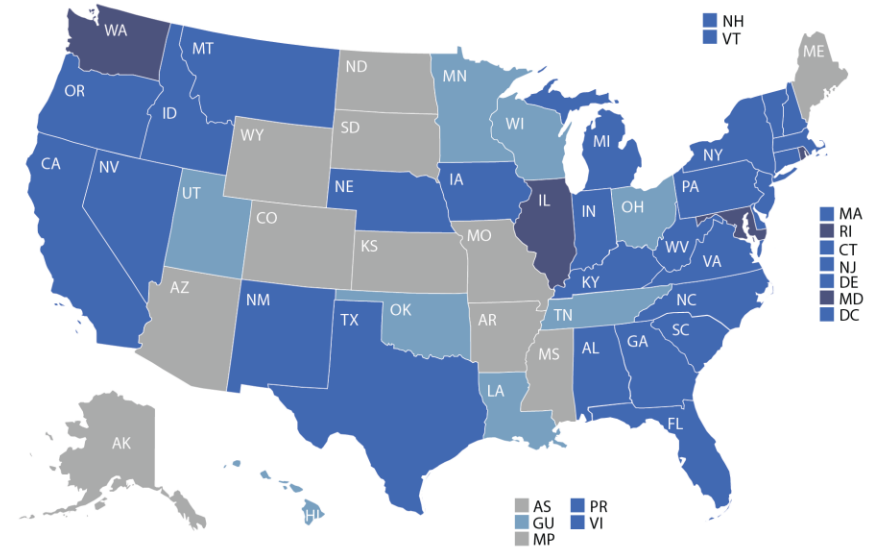


January  
2014



- 0 meets or exceeds ASHRAE Standard 90.1-2013 or equivalent
- 5 meets or exceeds ASHRAE Standard 90.1-2010 or equivalent
- 36 meets or exceeds ASHRAE Standard 90.1-2007 or equivalent
- 4 meets or exceeds ASHRAE Standard 90.1-2004 or equivalent
- 11 no statewide code or precedes ASHRAE Standard 90.1-2004

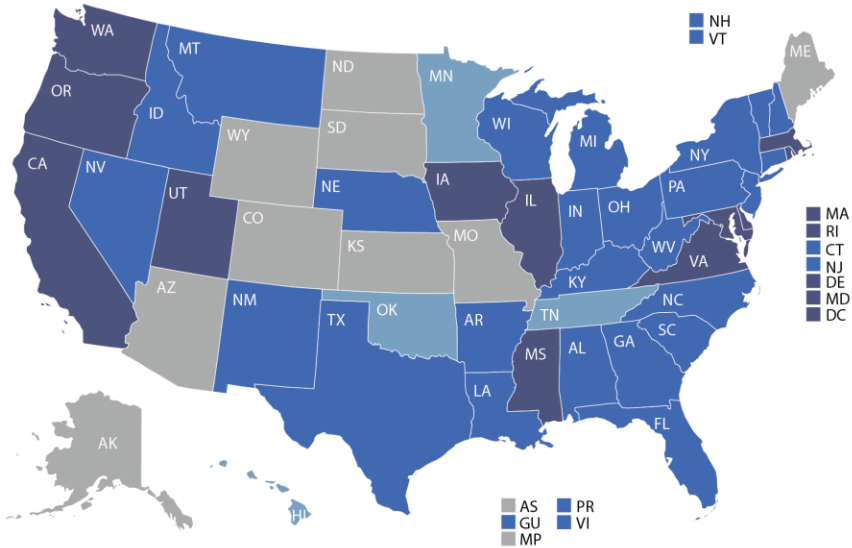
## Commercial State Energy Code Status



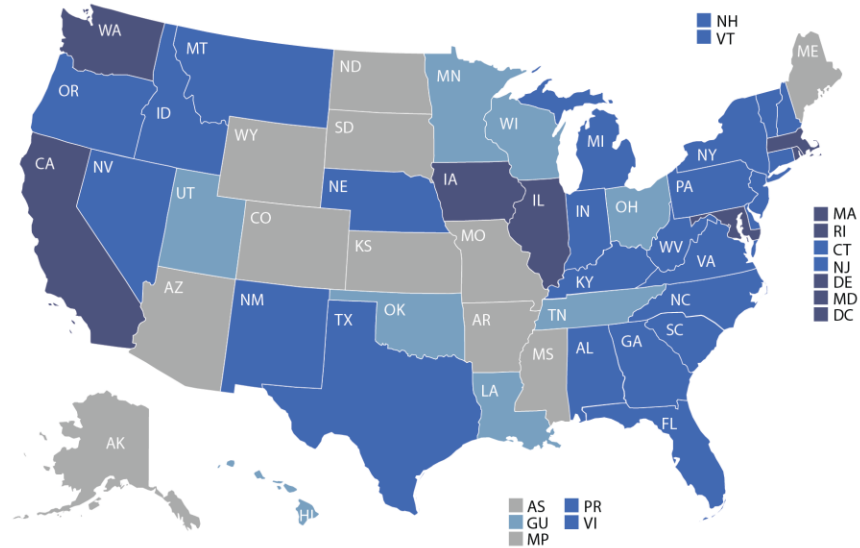
- 0 meets or exceeds the 2015 IECC or equivalent
- 4 meets or exceeds the 2012 IECC or equivalent
- 30 meets or exceeds the 2009 IECC or equivalent
- 9 meets or exceeds the 2006 IECC or equivalent
- 13 no statewide code or precedes the 2006 IECC

## Residential State Energy Code Status

July  
2014

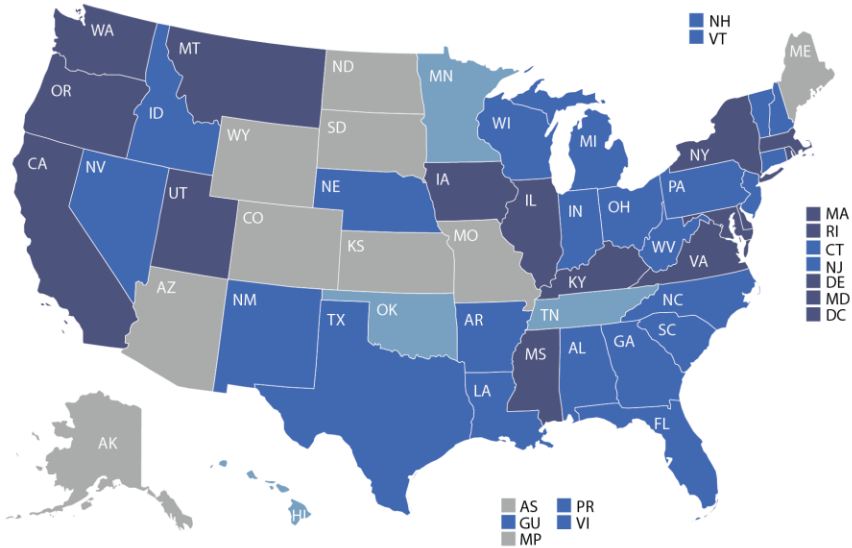


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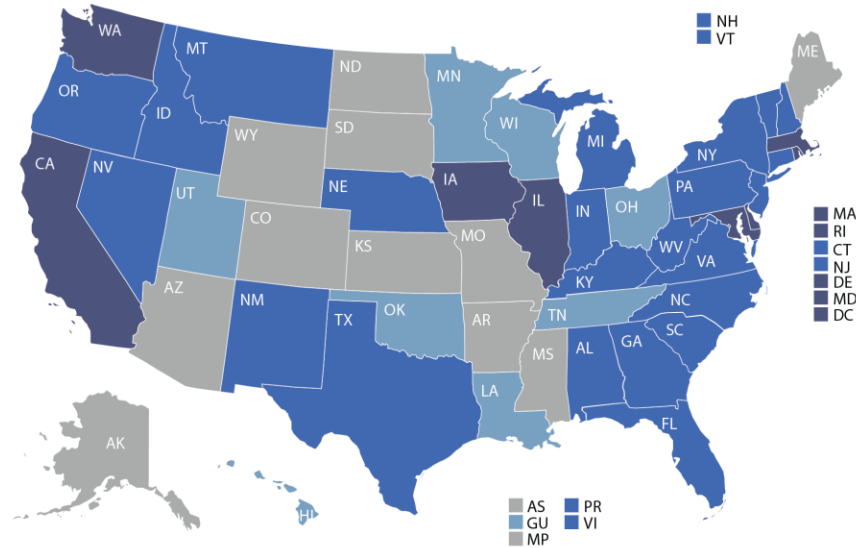


### Residential State Energy Code Status

January  
2015

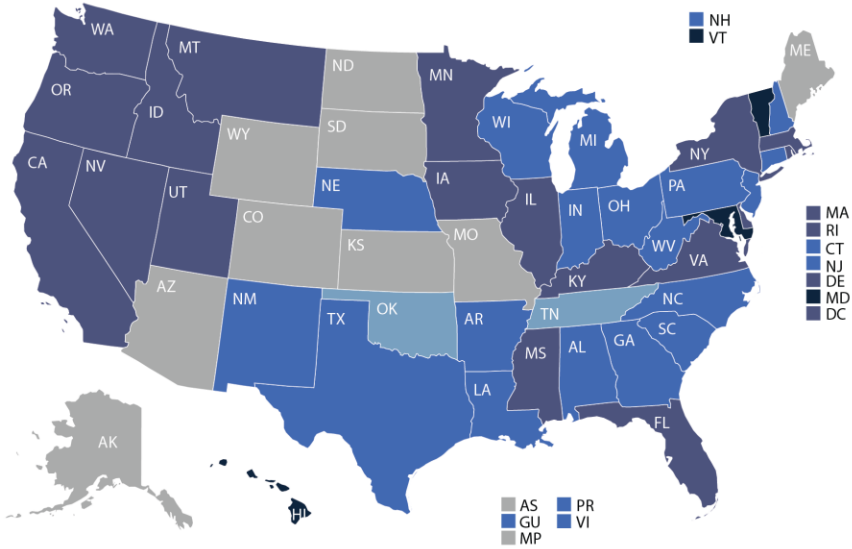


### Commercial State Energy Code Status

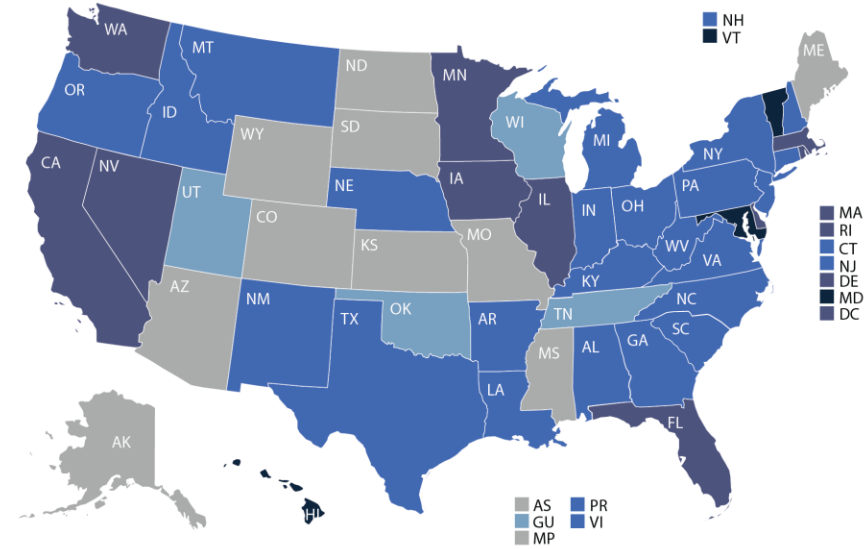


### Residential State Energy Code Status

July  
2015

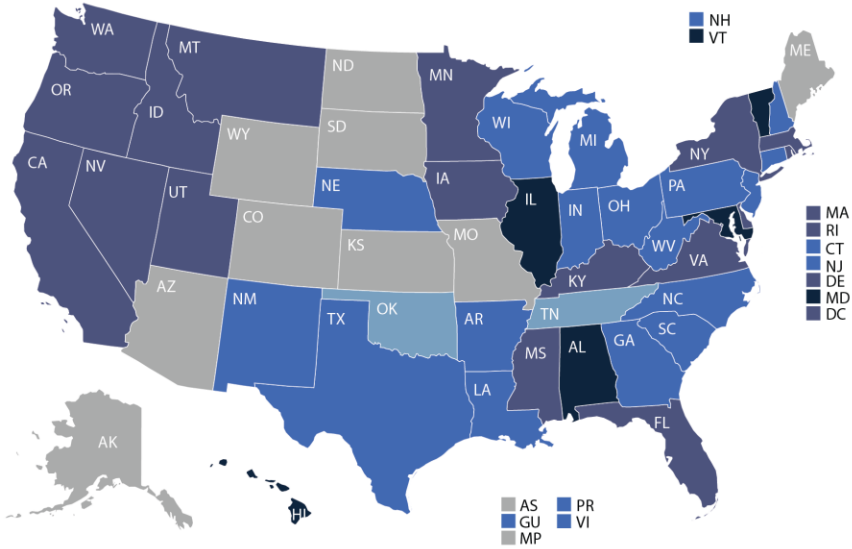


## Commercial State Energy Code Status



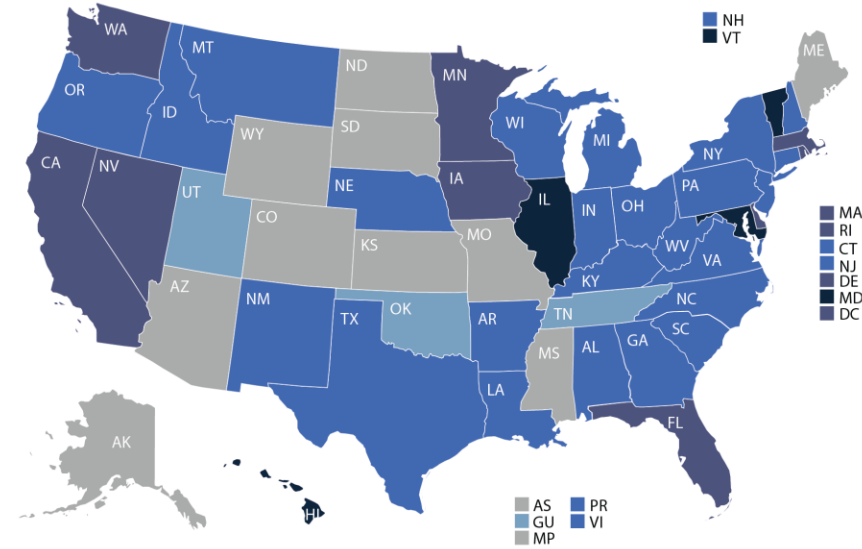
## Residential State Energy Code Status

January  
2016



- 5 meets or exceeds ASHRAE Standard 90.1-2013 or equivalent
- 18 meets or exceeds ASHRAE Standard 90.1-2010 or equivalent
- 19 meets or exceeds ASHRAE Standard 90.1-2007 or equivalent
- 2 meets or exceeds ASHRAE Standard 90.1-2004 or equivalent
- 12 no statewide code or precedes ASHRAE Standard 90.1-2004

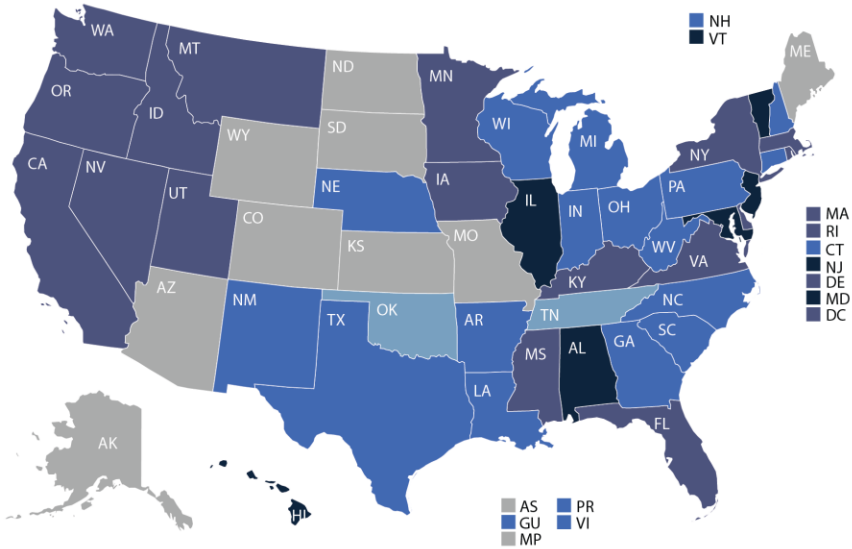
## Commercial State Energy Code Status



- 4 meets or exceeds the 2015 IECC or equivalent
- 12 meets or exceeds the 2012 IECC or equivalent
- 24 meets or exceeds the 2009 IECC or equivalent
- 4 meets or exceeds the 2006 IECC or equivalent
- 12 no statewide code or precedes the 2006 IECC

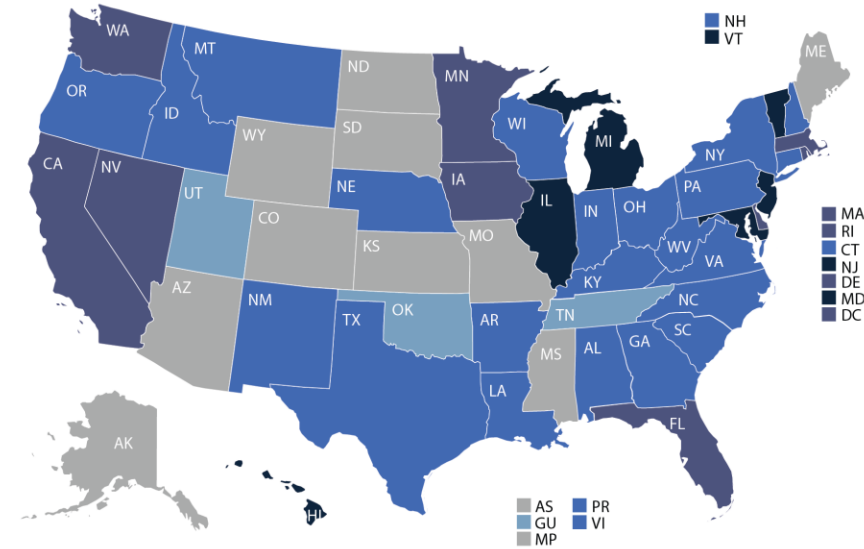
## Residential State Energy Code Status

June  
2016



## Commercial State Energy Code Status

- 6 meets or exceeds ASHRAE Standard 90.1-2013 or equivalent
- 18 meets or exceeds ASHRAE Standard 90.1-2010 or equivalent
- 19 meets or exceeds ASHRAE Standard 90.1-2007 or equivalent
- 2 meets or exceeds ASHRAE Standard 90.1-2004 or equivalent
- 11 no statewide code or precedes ASHRAE Standard 90.1-2004



## Residential State Energy Code Status

- 6 meets or exceeds the 2015 IECC or equivalent
- 10 meets or exceeds the 2012 IECC or equivalent
- 24 meets or exceeds the 2009 IECC or equivalent
- 4 meets or exceeds the 2006 IECC or equivalent
- 12 no statewide code or precedes the 2006 IECC

# What Does It Mean to Our Nation

Alliance to Save Energy: “If all states had adopted the 2012 IECC in 2012 and achieved full compliance by 2013 ...”

- 3.5 quadrillion Btu annual energy savings by 2030.
- \$40 billion annual energy cost savings by 2030.
- 200 million metric tons of carbon dioxide emissions avoided annually by 2030.



**Continuing Success in 2016 . . .  
The Hurdles Ahead and How  
We Can Put the IECC on a Glide  
Path of Future Gains**





# Code Development Is Trench Warfare: Opponents Want Weaker Codes

## **Powerful Code Opponents Include:**

- Powerful Home Builder Associations resistant to change
- Manufacturers of inferior products
- Code officials who don't see energy as Health, Safety & Welfare



# Local Officials Reject Rollbacks & Trade-Offs in 2015 IECC. Can They Do It Again?

Code officials showed little appetite for proposals that would have weakened the 2015 IECC's efficiency.

## Results for EECC's 22 *Worst* Residential Proposals:

### RE166 – Disapproved

#### 8 Proposals to Weaken Insulation

- RE26 – Disapproved
- RE28 – Disapproved
- RE32 – Disapproved
- RE33 – Disapproved
- RE34 – Disapproved
- RE37 – Disapproved
- RE38 – Disapproved

#### 3 proposals to Remove Glazing Backstop

- RE165 – Disapproved
- RE170 – Disapproved
- RE181 -- Disapproved

### 3 Unreasonable Fenestration Proposals

- RE19 – Withdrawn
- RE20 – Disapproved
- RE22 – Disapproved

RE90 – Disapproved

RE11 – Disapproved

### 3 Proposals to Weaken Duct Leakage

- RE116 – Disapproved
- RE119 – Disapproved
- RE120 – Disapproved

RE65 – Disapproved

RE95 – Disapproved

# Sample 2018 IECC Residential Proposals



- **Three energy-efficiency-reducing proposals**

- ✗ Envelope trade-offs
- ✗ Increased ERI score
- ✗ ERI on-site generation

- **Three energy-efficient proposals**

- ✓ LED Lighting
- ✓ Duct tightness
- ✓ Builder Flex Points

# A builder can comply with the IECC three different ways



Three ways  
to comply  
with the IECC

Prescriptive

Performance

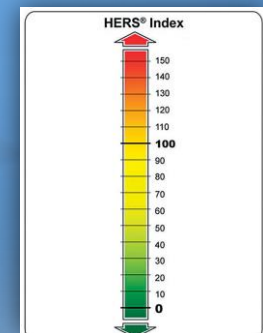
Energy Rating  
Index



[kaysbar.co.uk](http://kaysbar.co.uk)



[rockthe3d.com](http://rockthe3d.com)



[finehomebuilding.com](http://finehomebuilding.com)

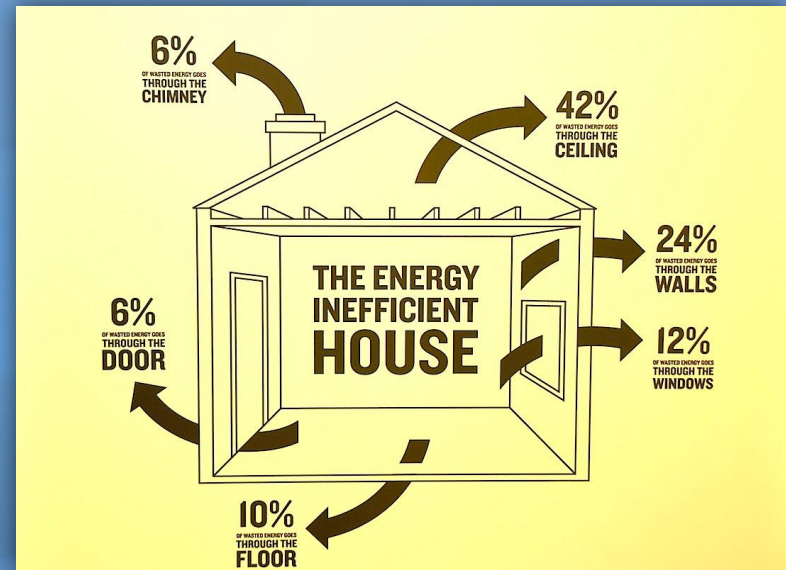
# Proposals that reduce energy efficiency and rollback the code

⊗ **Envelope Trade-offs:** Established performance path trade-offs for heating, cooling, and water heating equipment; adds UA-based thermal envelope backstop that permits 15% higher total UA and 60% higher SHGC than current prescriptive requirements. *RE134 (NAHB)*

**Preliminary Outcome:**  
Approved w/ Modifications ⊗

**Floor Motion Outcome:**  
Overturned ✓

**Counter-Proposal:** Mandatory minimum thermal envelope compliance *RE135 (EECC)*



# Proposals that reduce energy efficiency and rollback the code

⊗ **Increased ERI Score:** Score increased from 51-55 to 57-62, reducing overall efficiency of ERI path by a more than 10% increase in energy use. *RE173 (LBA)*

**Preliminary Outcome:**

Approved ⊗

**Floor Motion Outcome:**

Failed to overturn ⊗

Counter-Proposal: none



# Proposals that reduce energy efficiency and rollback the code



⊗ **ERI On-Site Generation:** Replaces ERI calculation methodology with a reference to RESNET 301 (which allows on-site generation to be counted in the ERI score).  
*RE166 (RESNET)*

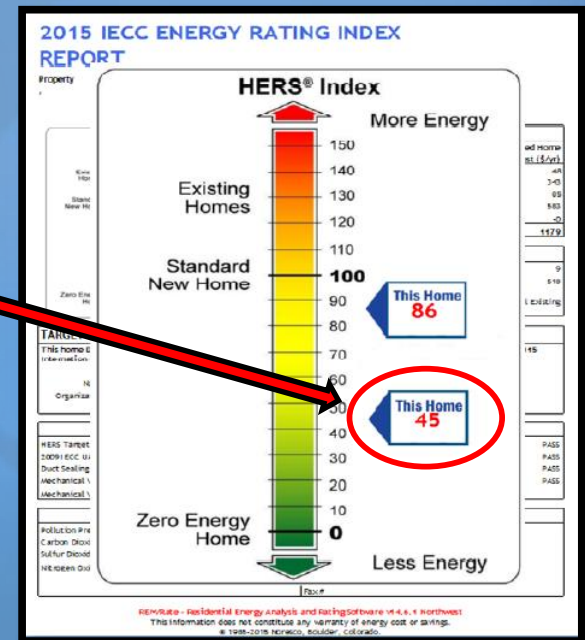
**Preliminary Outcome:**  
Approved ⊗

**Floor Motion Outcome:**  
N/A



*dfdsolar.com*

**Counter-Proposal:** No credit for on-site power production *RE164 (EECC)*



# Proposals that increase energy efficiency

✔ **LED Lighting:** Includes LED lamps in the definition for high-efficacy lamps, and increased requirements for permanently installed fixtures to contain high-efficacy lamps from 75% → 90%. *RE5 (EEI) & RE127 (SEHPCAC)*

**Preliminary Outcome:**

Approved & Approved ✔

**Floor Motion Outcome:**

N/A



[ledsmagazine.com](http://ledsmagazine.com)

[energy.gov](http://energy.gov)



# Proposals that increase energy efficiency



- ✔ **Duct Tightness:** Classifies duct tightness test as mandatory; sets mandatory level at 8cfm/100 sq. ft. and prescriptive level at 4cfm/100 sq. ft., permitting trade-offs.  
*RE103 (IECC)*

**Preliminary Outcome:**

Disapproved ❌

**Floor Motion Outcome:**

Failed to overturn ❌



# Proposals that increase energy efficiency

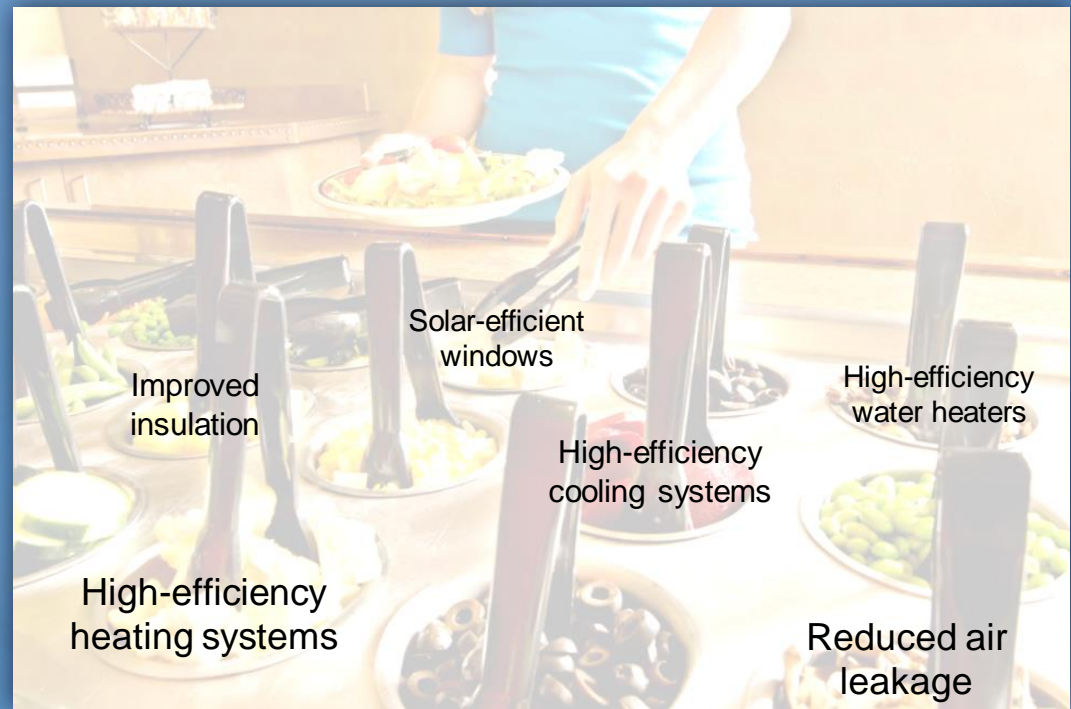
✔ **Builder Flex Points:** Improves energy efficiency of all compliance paths by 5% by selecting from a points-based table of energy-efficiency options. *RE179 (EECC)*

**Preliminary Outcome:**

Disapproved ⊗

**Floor Motion Outcome:**

Failed to overturn ⊗



# The 2018 IECC Is In Your Hands!



# Your Window of Opportunity



The Power Is in Your Hands to Put the 2018 and Future IECC Updates on a Glide Path of Steady Building Efficiency Gains

# Federal Law: DOE Must “Determine” If IECC Updates Are More Efficient

- A favorable DOE determination sets a vast & effective energy code adoption process in motion:
  - 2-Year clock starts ticking for states meet or exceed the new stronger efficiency levels;
  - broad-based network of efficiency, low income, consumer, business, and other advocates begin state and local adoption campaigns;
  - DOE produces supporting materials and frees funding that supports the new ICC code and trains builders and code officials to understand and implement it
  - New code also becomes the baseline for future code activities at DOE.

# Simple 2016 Goals for the 2018 IECC

**Achieve a minimum 5% efficiency boost in the 2018 IECC over the 2015 IECC**

- *Put 2018 and future IECCs on a glide path of steady efficiency improvements*
- *Defeat efficiency rollbacks and trade-offs*

**Increase *cdpACCESS* voting participation by local and state governments**

**Urge elected officials to link code official voting to their jurisdiction's energy and environmental policies**

# Builder Flex Beyond 2015

- We're still far from the net zero, but current prescriptive requirements approaching threshold.
- In fact, 2015 IECC's prescriptive envelope is strong; forms "trunk of the tree" for Builder Flex.
- After meeting 2015 envelope, builders then choose from 36 efficiency options on 8 Branches with (could be more) choose additional 5%.
- Future codes simply add percent gains/options, to maintain a steady glide path, eliminating need to replicate the steep 38% efficiency boost in 2009/2012 IECCs.

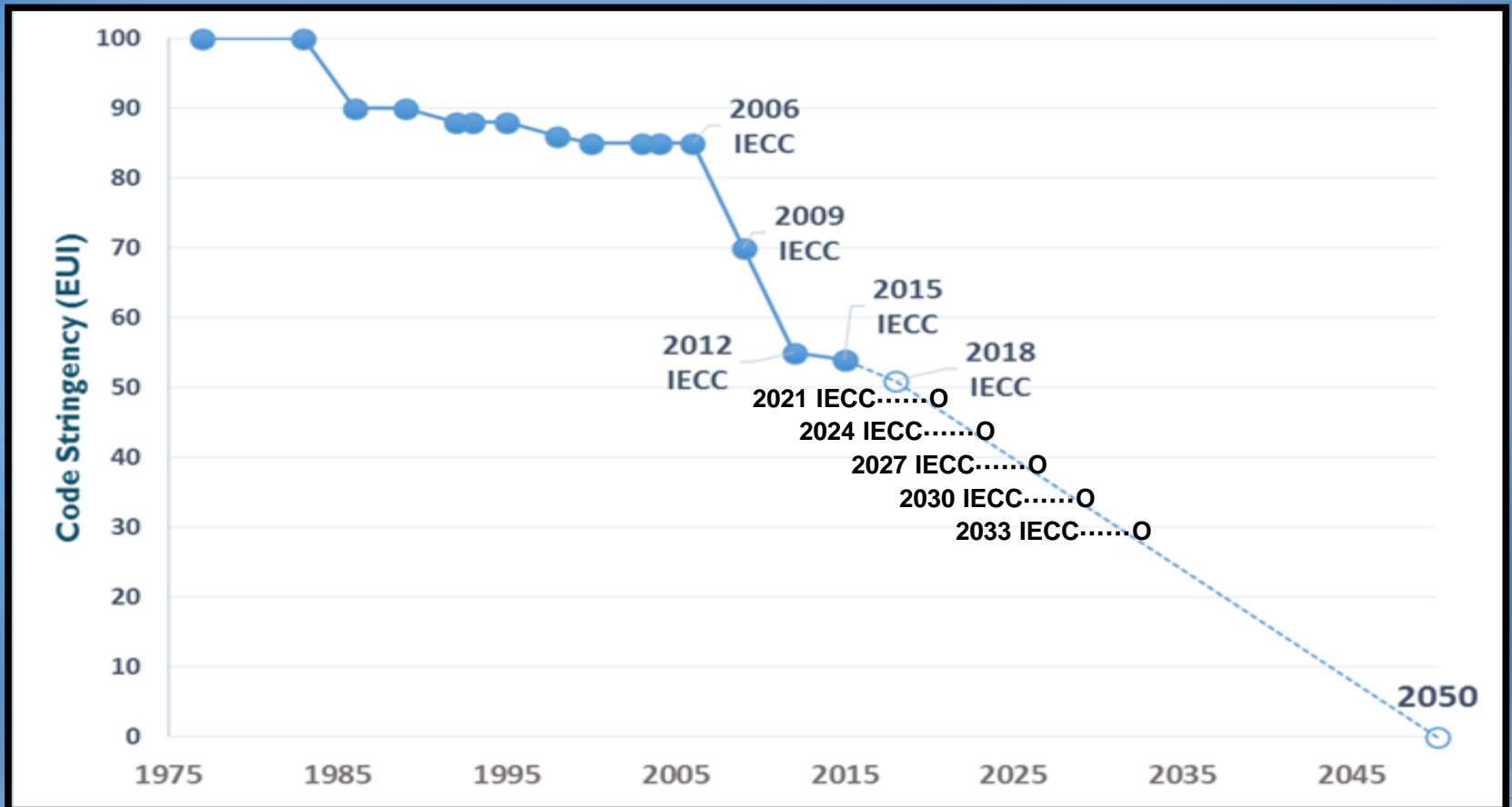
# How Builder Flex Points Put IECC on a Steady, Easy-to-Grasp Glide Path

1. Improves IECC by 5%, reducing home energy consumption & homeowner operating costs.
2. Creates highly flexible framework for additional energy savings that aren't available in current IECC.
3. Lays groundwork for future IECC improvement with prescriptive- & performance-based compliance options.
4. Encourages high-efficiency heating, cooling, & water heating systems, as well as other alternatives, without degrading the thermal building envelope or violating federal law.
5. Allows jurisdictions to “try out” a wide variety of efficiency measures that would be difficult to require in prescriptive path.



# A 5% Glide Path to Net Zero by 2050

Modest 5% Gains Every 3 Years . . .  
No Rollbacks; No Trade-Offs



# They're Back . . .

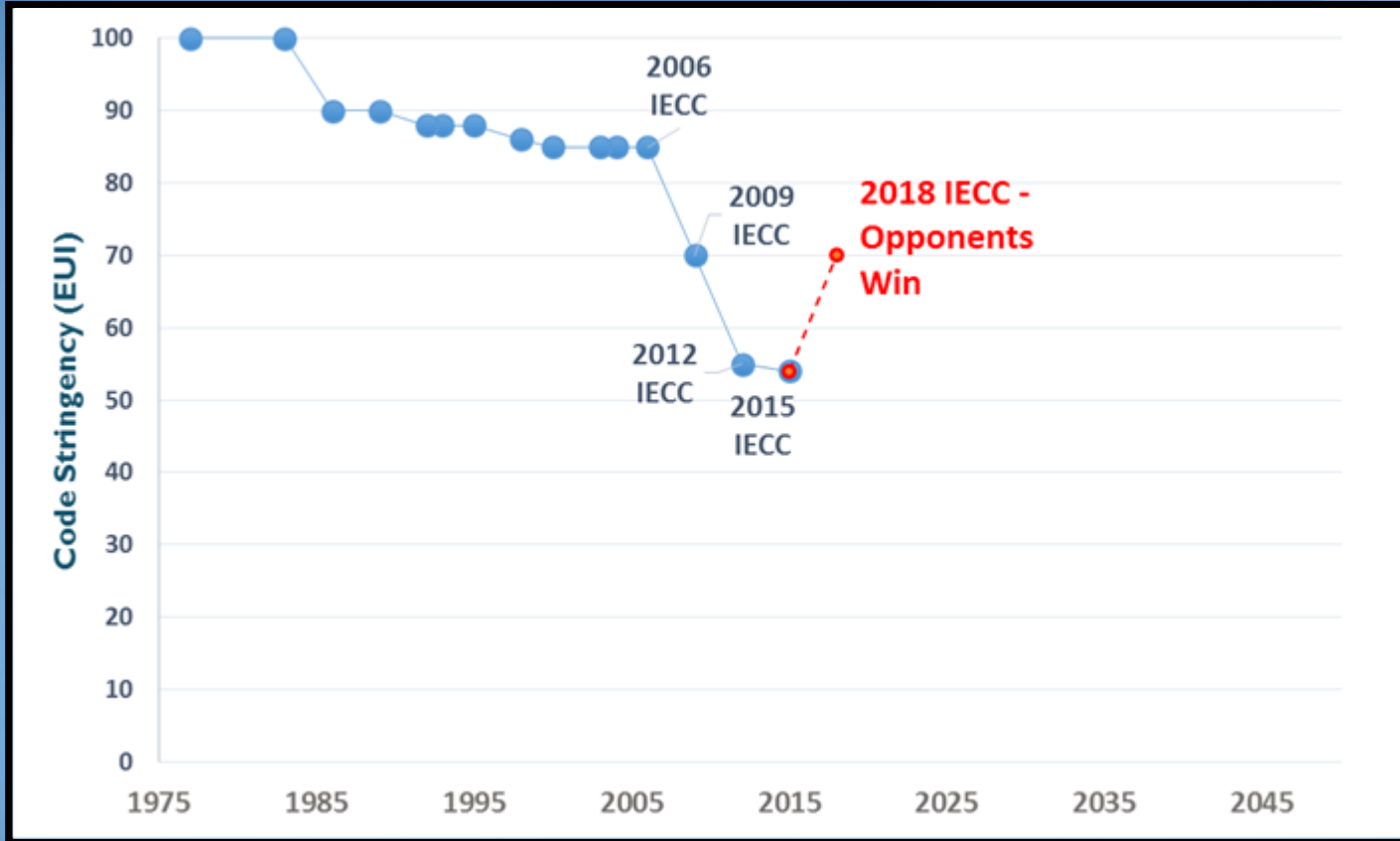


# Could the 2018 Update Be the 1<sup>st</sup> IECC that Is Weaker Than Its Predecessor?

Rollback & trade-off proposals receive favorable recommendations by builder-dominated committee:

- Reinstating the equipment trade-off (ETO) loophole weakens IECC efficiency by at least 6-9%.
- Weakening (increasing) Energy Rating Index (ERI) scores creates path of least efficiency
- Trading on-site generation against conservation and envelope efficiency undermine intent of IECC
- Weakening Building Envelope Efficiency will make new homes more expensive to maintain

# OR . . . Rollbacks/Trade Offs Win





**It Just Got Easier  
for Local  
Governments to  
Vote for Building  
Energy Efficiency!**





# Voting with *cdpACCESS*

**cdpACCESS**<sup>™</sup>



- Only ICC Governmental Member Voting Representatives can vote
- Allows many more GMVRs to vote on the outcome of the 2018 IECC *without travelling* (saving time and money)
- Public Comment Hearings (PCH) still set agenda for voting – GMVR testimony posted on cdpACCESS site

# Only “Governmental Members” Vote on the 2018 IECC

The Cost and # of Eligible “Governmental Member Voting Representatives (GMVRs)” depends on population:

<u>Population</u>	<u># of Eligible Votes</u>
0-50,000	Four (4)
50,001-150,000	Eight (8)
150,001+	Twelve (12)

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Stafford County has 8 potential votes, and 8 registered ICC members.  
Zero shortfall. Great job!

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Essex County has 4 potential votes, and only 1 registered ICC member. Shortfall of 3. Register 3 more voters!

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This GMVR has a "Current" status, which means he is able to vote online through the ICC's cdpACCESS website.

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520	Stafford	VA	Stafford Cnty Fire-Rescue Dept	1	John Ennis	Current	john.ennis@fire.gov
521	Stafford	VA	Stafford Cnty Fire-Rescue Dept	1	Kirk Clayberg	Current	kirk.clayberg@fire.gov
522	Stafford	VA	Stafford Cnty Fire-Rescue Dept	1	Andrew Milliken	Current	andrew.milliken@fire.gov
523	Stafford	VA	Stafford County	0	David Weaver	Not Current	dweaver@staffordcountyva.gov
524	Stafford	VA	Stafford County	0	John Schaeffer	Not Current	jschaeffer@staffordcountyva.gov
525	Stafford	VA	Stafford County	0	Robert Reed	Not Current	rreed@staffordcountyva.gov
526	Stafford	VA	Stafford County	0	Gary Pletz	Not Current	gpletz@staffordcountyva.gov
527	Stafford	VA	Stafford County	0	Kenneth Myers	Not Current	kmyers@staffordcountyva.gov
528	Stafford	VA	Stafford County	0	David Lucia	Not Current	dlucia@staffordcountyva.gov
529	Stafford	VA	Stafford County	0	Cary Jamison	Not Current	cjamison@staffordcountyva.gov
530	Stafford	VA	Stafford County	0	William Deane	Not Current	wdeane@staffordcountyva.gov
531	Tappahannock	VA	Essex County	3	Jeffery Hodges	Not Current	jhodges@essex-virginia.org
532	Warsaw	VA	Richmond County	0	D Barry Sanders	Not Current	bsanders@co.richmond.va.us
533	Warsaw	VA	Richmond County	0	Christopher Jett	Not Current	cjett@co.richmond.va.us
534	Warsaw	VA	Richmond County	0	William Duncanson	Not Current	wduncanson@co.richmond.va.us
535	Warsaw	VA	Richmond County	0	Denise Dunaway	Not Current	ddunaway@co.richmond.va.us
536	Winchester	VA	City of Winchester	1	Sherry Starlipper	Not Current	sherry.starlipper@winchester.gov
537	Winchester	VA	City of Winchester	1	Jeremy Luttrell	Not Current	jeremy.luttrell@winchester.gov
538	Winchester	VA	City of Winchester	1	Walter Fletcher	Not Current	walter.fletcher@winchester.gov
539	Winchester	VA	Frederick County	4	Samuel Yost	Not Current	http://www.co.frederick.va.us/departme
540	Winchester	VA	Frederick County	4	John Treney	Not Current	http://www.co.frederick.va.us/departme
541	Winchester	VA	Frederick County	4	Kirby Plase	Not Current	http://www.co.frederick.va.us/departme
542	Winchester	VA	Frederick County	4	Thomas Marple	Not Current	http://www.co.frederick.va.us/departme

This GMVR has a "Not Current" which means he cannot vote on cdpACCESS. Richmond county must validate its list of voters!

# Please use the ICC Contact List as a Resource to Reach Out to Voters



	A	B	C	D	E	
1	City	State	Organization	Voter Shortfall	Contact	Current / Not Current

## ICC Resources:

Primary representatives should visit the following website to validate his or her organization's entire list of voters by **September 19**:

[www.iccsafe.org/EVDS](http://www.iccsafe.org/EVDS)

Voter validation FAQs are answered here:

<http://www.iccsafe.org/membership/voter-validation-process-faqs/>

This GMVR has a "Not Current" which means he cannot vote on cdpACCESS. *Richmond county must validate its list of voters!*



# Please use the ICC Contact List as a Resource to Reach Out to Voters



	A	B	C	D	E	F	
1	City	State	Organization	Voter Shortfall	Contact	Current / Not Current	Email Address or Website Contact Form
518	Stafford	VA	Stafford Cnty Fire-Rescue Dept	1	James Kingman	Current	james.kingman@fire.gov
519	Stafford	VA	Stafford Cnty Fire-Rescue Dept	1	Ben Gouldman	Current	ben.gouldman@fire.gov
520	Stafford	VA	Stafford Cnty Fire-Rescue Dept	1	John Ennis	Current	john.ennis@fire.gov
521	Stafford	VA	Stafford Cnty Fire-Rescue Dept	1	Kirk Clayberg	Current	kirk.clayberg@fire.gov
522	Stafford	VA	Stafford Cnty Fire-Rescue Dept	1	Andrew Milliken	Current	andrew.milliken@fire.gov
523	Stafford	VA	Stafford County	0	David Weaver	Not Current	dweaver@staffordcountyva.gov
524	Stafford	VA	Stafford County	0	John Schaeffer	Not Current	jschaeffer@staffordcountyva.gov
525	Stafford	VA	Stafford County	0	Robert Reed	Not Current	rreed@staffordcountyva.gov
526	Stafford	VA	Stafford County	0	Gary Pletz	Not Current	gpletz@staffordcountyva.gov
527	Stafford	VA	Stafford County	0	Kenneth Myers	Not Current	kmyers@staffordcountyva.gov
528	Stafford	VA	Stafford County	0	David Lucia	Not Current	dlucia@staffordcountyva.gov
529	Stafford	VA	Stafford County	0	Cary Jamison	Not Current	cjamison@staffordcountyva.gov
530	Stafford	VA	Stafford County	0	William Deane	Not Current	wdeane@staffordcountyva.gov
531	Tappahannock	VA	Essex County	3	Jeffery Hodges	Not Current	jhodges@essex-virginia.org
532	Warsaw	VA	Richmond County	0	D Barry Sanders	Not Current	bsanders@co.richmond.va.us
533	Warsaw	VA	Richmond County	0	Christopher Jett	Not Current	cjett@co.richmond.va.us
534	Warsaw	VA	Richmond County	0	William Duncanson	Not Current	wduncanson@co.richmond.va.us
535	Warsaw	VA	Richmond County	0	Denise Dunaway	Not Current	ddunaway@co.richmond.va.us
536	Winchester	VA	City of Winchester	1	Sherry Starlipper	Not Current	sherry.starlipper@winchester.gov
537	Winchester	VA	City of Winchester	1	Jeremy Luttrell	Not Current	jeremy.luttrell@winchester.gov
538	Winchester	VA	City of Winchester	1	Walter Fletcher	Not Current	walter.fletcher@winchester.gov
539	Winchester	VA	Frederick County	4	Samuel Yost	Not Current	<a href="http://www.co.frederick.va.us/departme">http://www.co.frederick.va.us/departme</a>
540	Winchester	VA	Frederick County	4	John Trenary	Not Current	<a href="http://www.co.frederick.va.us/departme">http://www.co.frederick.va.us/departme</a>
541	Winchester	VA	Frederick County	4	Kirby Place	Not Current	<a href="http://www.co.frederick.va.us/departme">http://www.co.frederick.va.us/departme</a>
542	Winchester	VA	Frederick County	4	Thomas Marple	Not Current	<a href="http://www.co.frederick.va.us/departme">http://www.co.frederick.va.us/departme</a>

Some voters only available contact information directs the user to contact them directly through their organization's website.

# Please use the ICC Contact List as a Resource to Reach Out to Voters



	A	B	C	D	E	F	
1	City	State	Organization	Voter Shortfall	Contact	Current / Not Current	Email Address or Website Contact Form
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520	Stafford	VA	Stafford Cnty Fire-Rescue Dept	1	John Ennis	Current	john.ennis@fire.gov
521	Stafford	VA	Stafford Cnty Fire-Rescue Dept	1	Kirk Clayberg	Current	kirk.clayberg@fire.gov
522	Stafford	VA	Stafford Cnty Fire-Rescue Dept	1	Andrew Milliken	Current	andrew.milliken@fire.gov
523	Stafford	VA	Stafford County	0	David Weaver	Not Current	dweaver@staffordcountyva.gov
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534	Warsaw	VA	Richmond County	0	William Duncanson	Not Current	wduncanson@co.richmond.va.us
535	Warsaw	VA	Richmond County	0	Denise Dunaway	Not Current	ddunaway@co.richmond.va.us
536	Winchester	VA	City of Winchester	1	Sherry Starlipper	Not Current	sherry.starlipper@winchester.gov
537	Winchester	VA	City of Winchester	1	Jeremy Luttrell	Not Current	jeremy.luttrell@winchester.gov
538	Winchester	VA	City of Winchester	1	Walter Fletcher	Not Current	walter.fletcher@winchester.gov
539	Winchester	VA	Frederick County	4	Samuel Yost	Not Current	<a href="http://www.co.frederick.va.us/departme">http://www.co.frederick.va.us/departme</a>
540	Winchester	VA	Frederick County	4	John Trenary	Not Current	<a href="http://www.co.frederick.va.us/departme">http://www.co.frederick.va.us/departme</a>
541	Winchester	VA	Frederick County	4	Kirby Place	Not Current	<a href="http://www.co.frederick.va.us/departme">http://www.co.frederick.va.us/departme</a>
542	Winchester	VA	Frederick County	4	Thomas Marple	Not Current	<a href="http://www.co.frederick.va.us/departme">http://www.co.frederick.va.us/departme</a>

Questions on how to use this spreadsheet?

# How You Can Take Action

**THE POWER IS IN  
YOUR HANDS!**



**VOTE.**

Create a strong 2018 IECC  
for your community.

Go online to  
<http://energycode.com/power/>  
to learn more about the campaign.

**The  
Power  
Is In  
Your  
Hands!**

# Check List – ITEM 1



**Make Support For Steady IECC Gains  
The Policy Of Your Jurisdiction . . .**

*Tell Your ICC Voting Representatives  
to Vote in Support of Efficiency Gains and Against  
Proposals That Roll Back Efficiency*

# Check List – ITEM 2



Submit Names of Your Voting  
Representatives (GMVRs) to the ICC

# Check List – ITEM 2½



Send GMVRs to participate in Public  
Comment Hearings in Kansas City

# Check List – ITEM 3



Make sure all GMVRs vote online using  
cdpAccess to promote efficiency!

# A Simple, USCM Endorsed Yardstick for EECC Voting Recommendations

**SUPPORT** Proposals that Boost Efficiency Using Readily Available Technology.

**OPPOSE** Proposals that Roll Back or Trade Off Efficiency Gains.

**Energy Efficient Codes Coalition – Public Comment Hearing RE Recommendations**

Prop. #	Standing Motion	EECC Recommended Action	Original Proposal Summary	EECC Evaluation & Summary of Public Comments with Modifications	EECC Notes
RE7	D	Support D	Replaces specific interior design temperatures with a reference to ACCA manual J, allowing additional flexibility in design.		Current code language promotes better equipment sizing than the proposed change.
RE8	D	Oppose D	Requires all new 1- and 2-family and multifamily dwellings with roofs oriented between 110°-270° to have <i>solar ready zone</i> of ≥300 sq ft or ≥150 sq ft for homes under 2000 square feet. Exceptions for buildings with on-site renewables or roof areas shaded >70% of the time. Construction documents must indicate the zone and pathways for conduit, pre-wiring, or plumbing chase and the electrical service panel must reserve space for a breaker. Exception for buildings with installed pre-plumbing or chase from zone to water heating system.	PC – Removes requirement to have solar ready zone and to reserve space in electrical service panel, but maintains requirements to document solar-ready portions of the roof, keep these zones free of obstructions, and document conduit pathways and roof loads.	Agree
		Support AM PC			
RE9	D	Oppose D	Requires all new 1- and 2-family and multifamily dwellings with roofs oriented between 110°-270° to have <i>solar ready zone</i> of ≥300 sq ft or ≥150 sq ft for homes under 2000 square feet. Construction documents must indicate the zone and pathways for conduit, pre-wiring, or plumbing chase and the electrical service panel must reserve space for a breaker. Exceptions for buildings with on-site renewables or roof areas shaded >70% of the time.	PC1 – Moves solar ready provisions into a new appendix; adds an exception for buildings with <600 sq. ft. of solar ready zone that is unshaded for more than 70% of daylight hours. PC2 – Move solar ready provisions into a new appendix; adds a scoping exception for buildings with <600 sq. ft. of solar ready zone.	Agree  NR
		Support AM PC1			



# **WE WILL PROVIDE SUPPORT!**

**Develop outreach materials**

**Host advocacy meetings and webinars**

**Training on use of cdpAccess**

**Provide voting guide**

**Organize Voting Parties**

# WHAT CAN YOU DO?



## CONTACT US:

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[taylor@narc.org](mailto:taylor@narc.org)

USDN – Garrett Fitzgerald

[garrettfitzgerald@usdn.org](mailto:garrettfitzgerald@usdn.org)

EECC – Harry Misuriello

[hmisuriello@aceee.org](mailto:hmisuriello@aceee.org)

# THANK YOU!

<http://energyefficientcodes.org/POWER>



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