



# Performance Code: A Rater's Perspective



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# Last Year

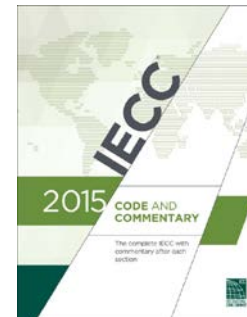
## Michigan

- 2009 → Amended 2012 IRC
- ERI option added
- Massive training campaign



## Illinois

- 2012 → Amended 2015 IECC
- ERI option added
- Municipality's approval required



## Prescriptive

- R-Value or U-Factor Table
- Prescriptive items
- Mandatory items

## Total UA

- REScheck
- Prescriptive items
- Mandatory items

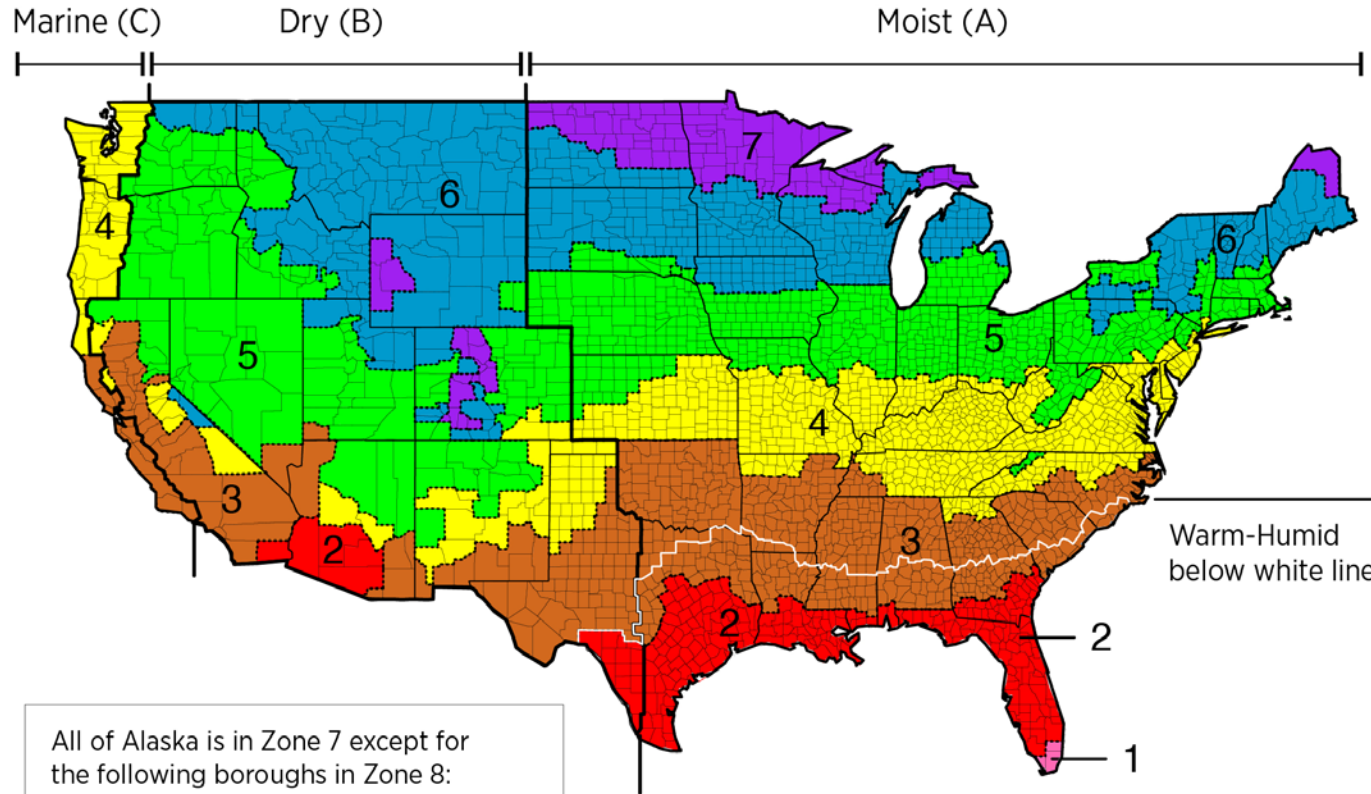
## Performance

- Simulation software
- Equipment and appliances not included
- Mandatory items

## ERI

- Simulation software
- Equipment and appliances are included
- R-Value Table
- HERS 55
- Mandatory items
- Hot Water Piping Insulation

# Climate Zones & ERI Targets



All of Alaska is in Zone 7 except for the following boroughs in Zone 8:  
Bethel, Northwest Arctic, Dillingham, Southeast Fairbanks, Fairbanks N. Star, Wade Hampton, Nome, Yukon-Koyukuk, North Slope

Zone 1 includes Hawaii, Guam, Puerto Rico, and the Virgin Islands

- Zone 1 - 52
- Zone 2 - 52
- Zone 3 - 51
- Zone 4 - 54
- Zone 5 - 55**
- Zone 6 - 54**
- Zone 7 - 53
- Zone 8 - 53

# Performance Path VS. ERI

## **Performance**

- Prescriptive measures not required
- Least amount of required items/no backstop
- Equipment/appliances not included
- Rating is an easy sell and could lead to utility rebates or tax credits
- Home costs less to operate than the reference home

## **In Our Area**

- Maximum insulation spec tradeoff
- Maximum potential cost savings

## **ERI**

- Insulation tradeoffs, but must meet 2009 insulation levels
- Prescriptive measures not required except hot water piping insulation
- Equipment/appliances are included
- Must meet ERI target
- Home gets a rating, could lead to utility rebates or tax credits for the builder
- Home costs less to operate than the reference home

# Why Use HERS Raters for Energy Code Compliance



## **Builder/Client Benefits**

- Allows for more design flexibility
- Allows for construction cost savings
- Better quality control (second set of eyes)
- Helps make the compliance process as painless as possible



## **Code Official Benefits**

- Have an energy expert on site helping verify compliance
- Energy professional available at all stages for support
- Better quality control (second set of eyes)

## **Home Buyer/Owner Benefits**

- Allows for more design flexibility
- Allows for construction cost savings
- Better quality control (second set of eyes)
- Tested and verified energy efficient home
- Comfort!



## Conclusion:

- The ERI and Performance Path offer great alternatives to the Prescriptive Code
- State code amendments can play a role in what performance path is the most beneficial
- Training code officials on the new and upcoming codes helps level the playing field
- HERS Raters are a crucial part of the energy code process





# Performance Code: A Rater's Perspective



# Thank you!

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