

# ***What a Long, Strange Trip It's Been***

**The Past, Present and More Importantly  
the Future of RESNET**

**Steve Baden  
RESNET Executive Director**

# RESNET 20<sup>th</sup> Anniversary

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**20** YEARS OF  
SUCCESS | Setting the  
Standards for Quality  
1996 - 2016

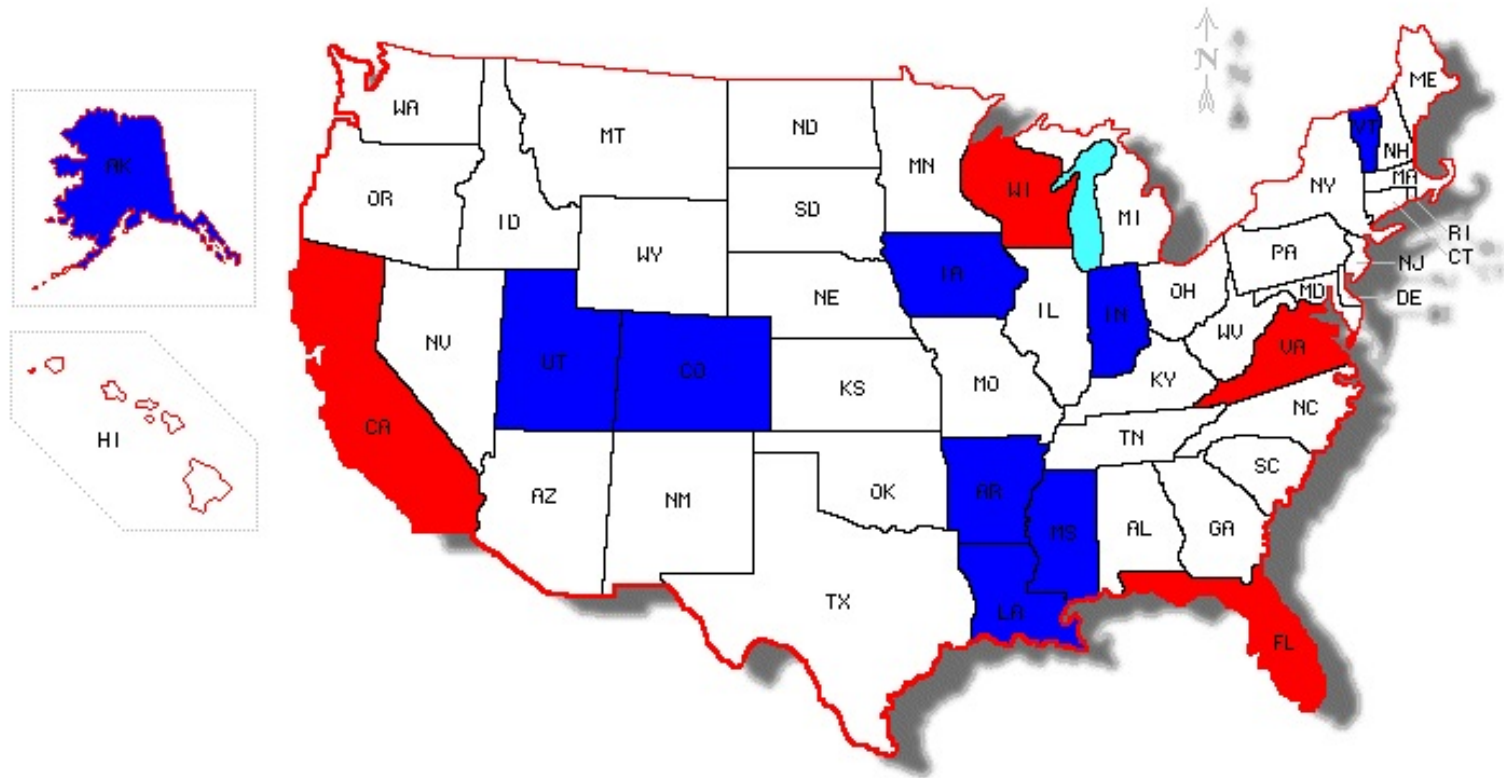
# Where Has RESNET Come From - 1996

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- HERS largely sponsored and funded by state energy offices
- No central standards – Each program has its own procedures and technical calculations
- Little over 15,000 homes rated since HERS started

# States with Home Energy Rating Systems in 1996

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Blue – Members of Energy Rated Homes of America  
Red – Independent Rating Systems

# Where Has RESNET Come From

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RESNET Started as Partnership with:

- Mortgage Bankers Association of America
- National Association of State Energy Officials
- Energy Rated Homes of America

Initial focus was on existing homes and energy improvement mortgages

(Prior to 1996 73% of ratings were on existing homes)

94 attendees at RESNET first conference

# Where Has RESNET Come From

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## Energy Efficient Pilot Programs:

- Alaska
- Arkansas
- California
- Colorado
- Mississippi
- Virginia
- Vermont

# Where Has RESNET Come From

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## Milestones in the growth of RESNET:

- 1997 - EPA partnered with RESNET in recognizing HERS as verification method for ENERGY STAR Homes
  - HERS actively grew to focus on ENERGY STAR and new homes
  - As ENERGY STAR grew so did HERS (until version 3)
- 2002 – DOE recognized HERS as verification method for Building America and National Builders Challenge

# Where Has RESNET Come From

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## Milestones in the growth of RESNET:

- 2002 – Creation of HERS Index
- 2006 – IRS recognized HERS as verification standard for new homes federal tax credit
- 2007 – Large production builders started having their homes rated and marketing their homes HERS Index Score



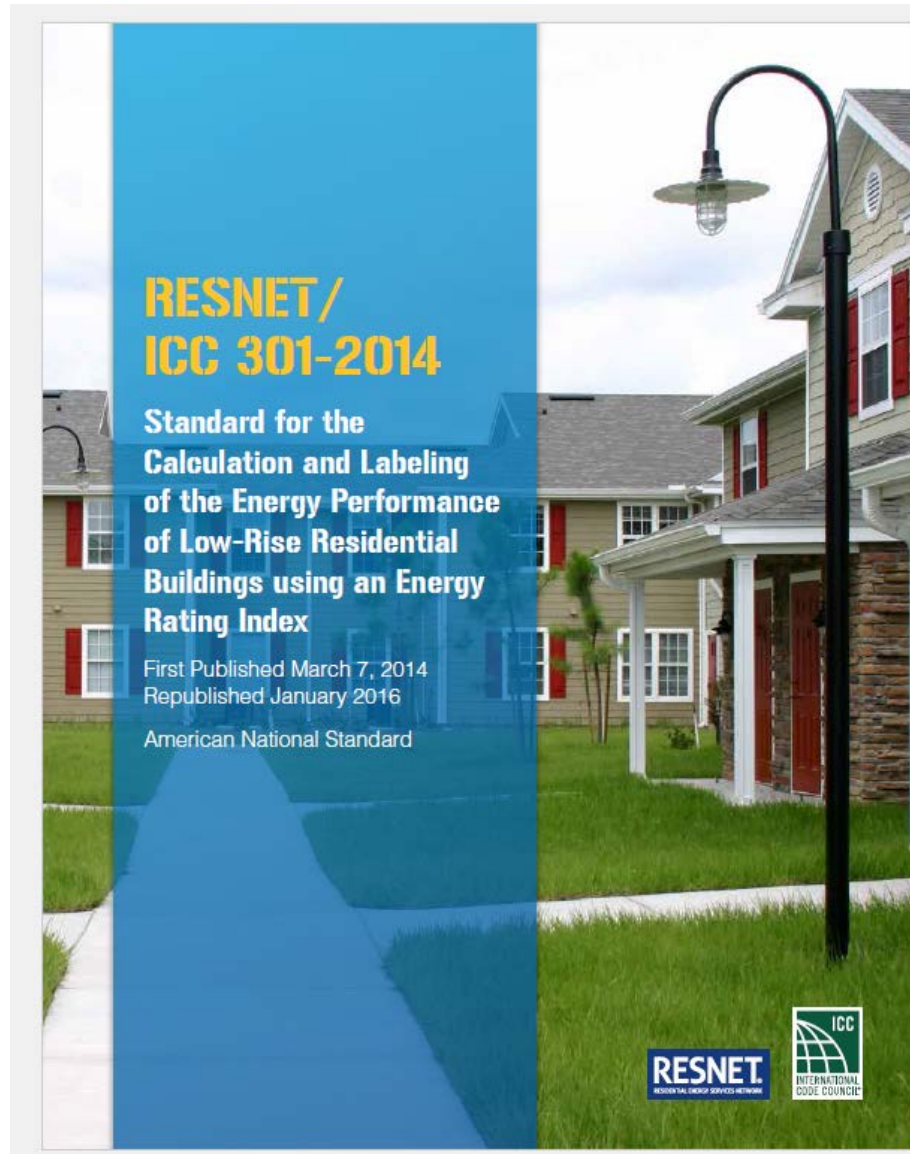
# Where Has RESNET Come From

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## Setting the Standards for Quality:

- 1996 – Development of HERS Technical Standard
- 1998 – Development of Standard for the Certification of HERS Raters and Accreditation of Rating and HERS Software Providers
- 2001 – Development of HERS Raters Training Standard
- 2004 – Development of HERS Rating Quality Assurance Standard

# Where RESNET Is Now



# Where RESNET is Now

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**1,735,669**

TOTAL Number of HERS-rated Homes to Date

Number of homes  
HERS-rated in 2015

**190,180**

**30%** increase  
from 2014



NEW HOMES  
sold in the US  
are HERS-rated

# Where RESNET is Now



Average HERS<sup>®</sup> Index  
Score for 2015



More energy efficient  
than in 2006



More energy efficient  
than in the 1970s



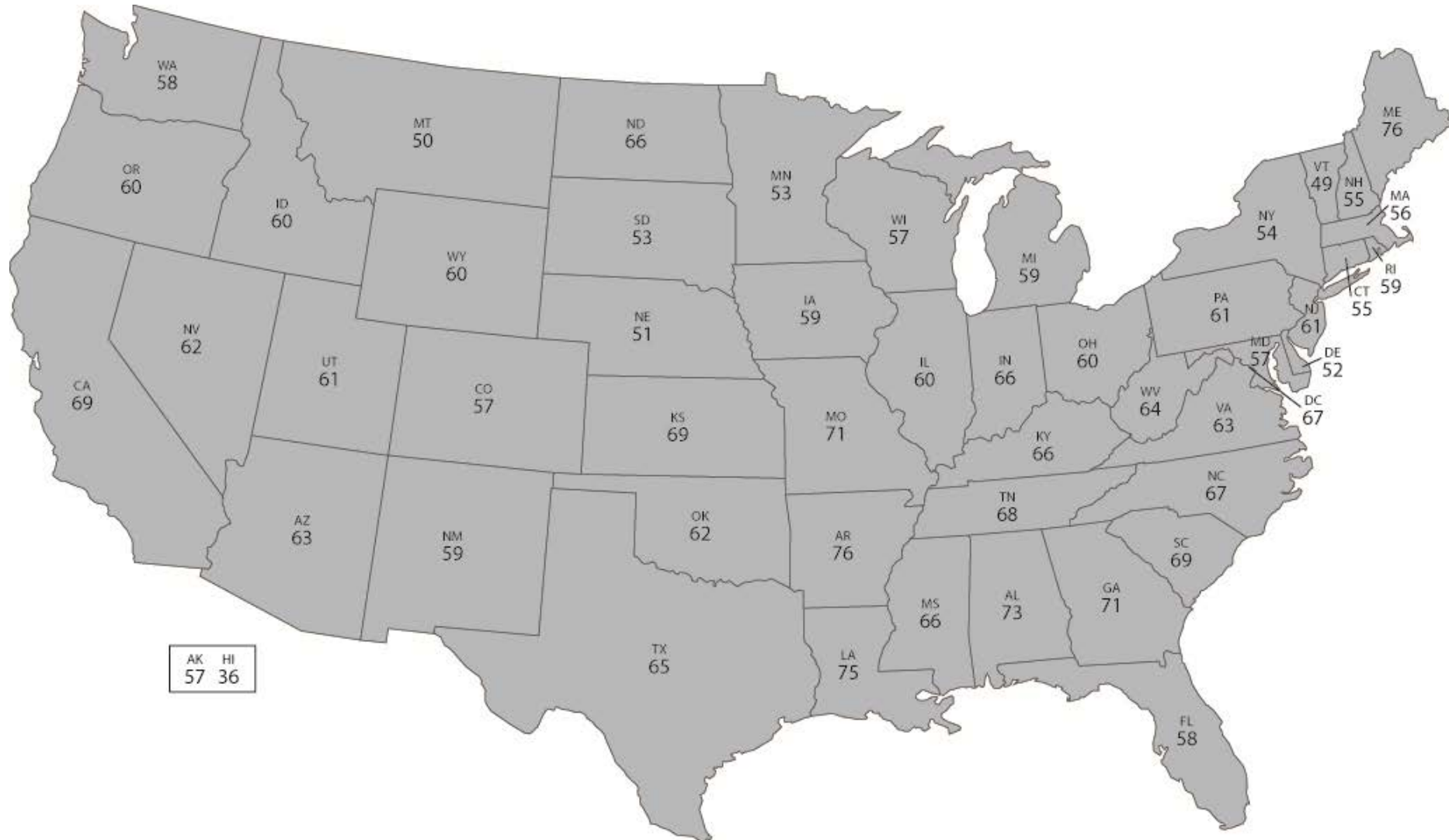
Annual energy bill savings of  
**\$143 MILLION**



Reduction of carbon  
dioxide emissions by  
**851,540 tons**

# Average HERS Index Scores by State

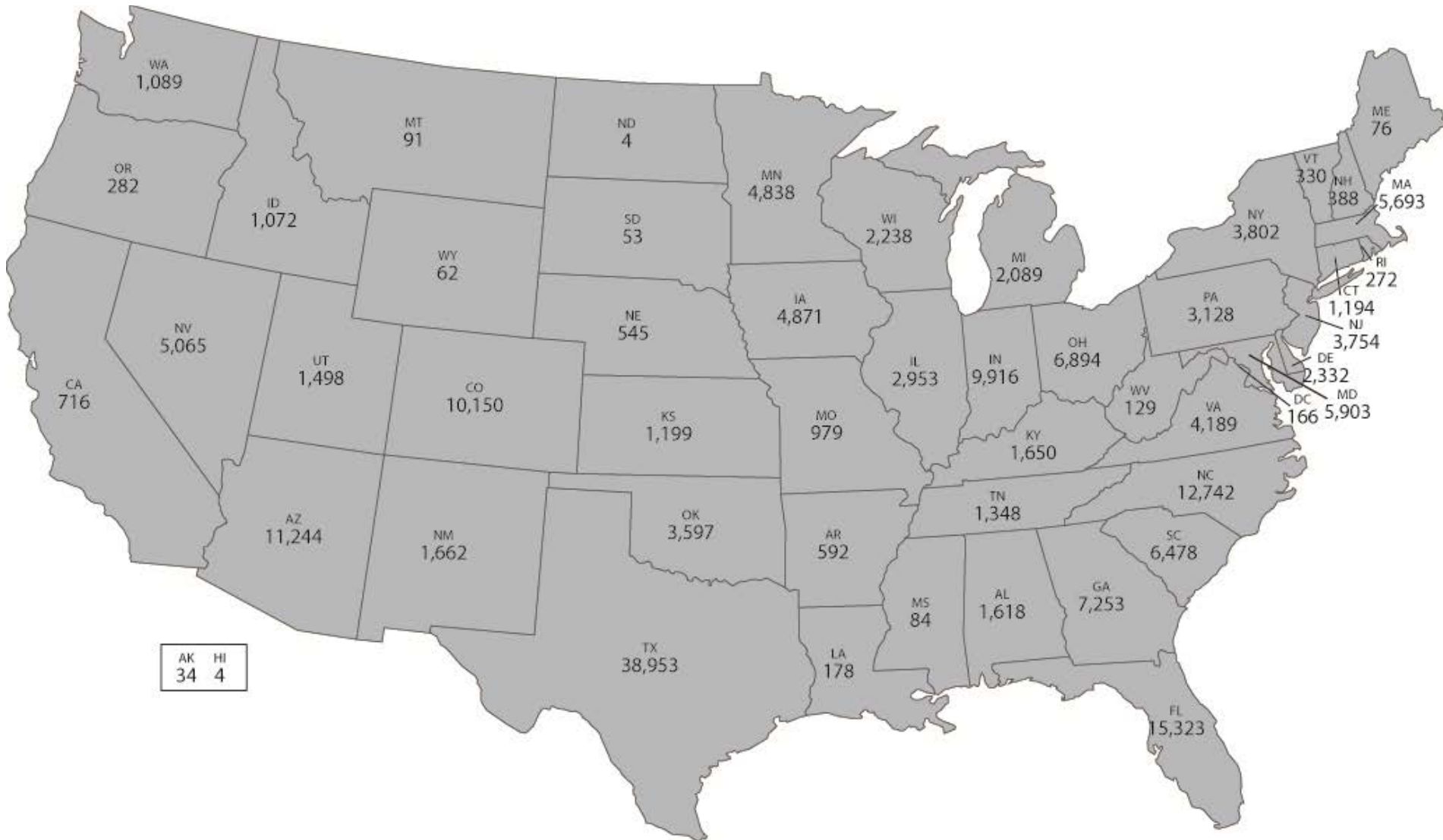
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# Number of Homes HERS Rated in 2015 by State

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# Where RESNET is Now

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## Energy Rating Index Option of the 2015 IECC

States that have adopted the 2015 International Energy Conservation Code (IECC), which includes the Energy Rating Index compliance option (R406):



ILLINOIS



MARYLAND



MICHIGAN



NEW JERSEY



TEXAS



VERMONT

**Outside of the 2015 IECC Energy Rating  
Index - HERS Option Adopted by Over 180  
State and Local Code Jurisdictions**



# **Commitment to Quality**

**Qualified  
HERS  
Raters**

**Enhancing  
Quality  
Assurance**

**Consistent  
Calculation of HERS  
Index Scores**

**Quality  
Assurance  
Infrastructure**





Over **20,000** HERS-rated homes  
received quality assurance monitoring

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- Number of providers who had findings as result of RESNET staff quality assurance file review- 61
- Number of providers placed on Administrative Probation– 35
- Number of providers placed on Disciplinary Probation– 2
- Number of providers whose accreditation was Suspended- 2

# Where RESNET is Heading

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- Enhancing the National Consistency of the HERS Index
- Educating Consumers on the HERS Index
- Forging Dynamic Partnerships with the Housing Industry
- Developing RESNET Water Efficiency Rating Index Guidelines

# RESNET Education Campaign on Know the HERS Index Score

**RESNET**  
RESIDENTIAL ENERGY SERVICES NETWORK

HERS® INDEX MICROSITE | RESNET MEMBERS | JOIN AN EXPERT |

Energy Efficiency | Financial Benefits | Ratings and Audits | **HERS Index** | Use a RESNET Pro | Articles | About RESNET | Contact

## Want To Know How Energy Efficient a Home is?

Check its HERS Index Score!

[SEARCH NOW](#)

### Learn About the HERS® Index

#### Find a Local RESNET Professional Near You

Increase home comfort while saving energy and money when you work with a certified RESNET Professional!

[FIND A PROFESSIONAL NOW](#)

#### Looking for a HERS Rated Home?

Find out if a home has been HERS-rated and what its score is.

[SEARCH NOW](#)

#### The HERS Index

Find out what it is, how it works and why it's important to you!

[LEARN MORE](#)

#### H2 Sample Article Heading

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#### Sample Article Heading

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#### Sample Article Heading

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# RESNET Energy Smart Builder HERS Index Marketing Materials

RESNET's NEW HERS INDEX TOOLS

Helping builders demonstrate the value of their Energy Efficient Homes.

Informative HERS Index Video

Customizable Brochure

Yard Sign Templates

Promote your HERS-rated homes to prospective buyers!

The HERS Index tools are part of RESNET's ongoing commitment to support our builder partners in their efforts to successfully market their HERS-rated homes to consumers. Visit [www.resnet.us/professional/hers-index-tools](http://www.resnet.us/professional/hers-index-tools) to download your free suite of HERS Index tools.

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HERS RATED!

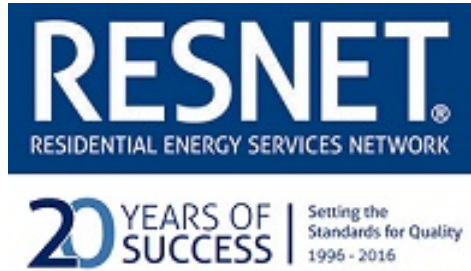
**RESNET** EnergySmart Builder  
Every Home is a HERS Rated Home

Not a RESNET EnergySmart Builder yet?  
Visit [www.resnet.us/professional/builder-partners](http://www.resnet.us/professional/builder-partners) to find out how you can benefit from being an EnergySmart Builder.

The graphic features a blue background with three circular icons: a house with a play button, a document with a key, and a yard sign. Below these icons is a row of three houses. The middle house is white with a green roof and has a green location pin with the number 63 above it. A white yard sign with the text 'HERS RATED!' is in front of the middle house. At the bottom, there are logos for RESNET HERS INDEX and RESNET EnergySmart Builder, along with a call to action for non-builders.

# Forging Dynamic Partnerships with the Housing Industry

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## RESNET- International Code Council Partnership

- Co-Produce Energy Rating Index, Air & Duct Leakage & Water Efficiency Rating ANSI Standards
- RESNET designated ICC Preferred Provider
- Education of code officials on ERI & HERS Index
- HERS Raters becoming members of ICC and certified ICC Energy Code Inspectors

# Forging Dynamic Partnerships with the Housing Industry

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Appraisal  
Institute®

*Professionals Providing  
Real Estate Solutions*

## RESNET- Appraisal Institute Partnership

- Appraisers being able to access data from RESNET Registry of rated homes
- Joint education effort targeted to appraisers, HERS Raters and builders on HERS Index, its benefits and how to work together

# Where RESNET – ENERGY STAR is Heading

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Harmonization of HERS Index and ENERGY STAR

Percentage of HERS rated homes that are ENERGY STAR increased to 112,497 in 2015



# Water Efficiency Rating Index

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To be ANSI/RESNET/ICC Standard

Steering Committee Co-Chaired by:

- Jacob Atalla, KB Home
- Ed Osann, Natural Resources Defense Council
- Jonah Schein, EPA WaterSense



# Where RESNET is Heading

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**Serving as Bridge from Product Development to the Market Place**

New Product Development

HERS Index

Market Place



# What HERS Industry Needs to Succeed

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- Think big and redefine services offered
- Move from commodity based to solution based enterprise (move from price based HERS Ratings to providing solutions to builders and consumers)

# See You Here Next Year

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## 2017 Conference

Scottsdale, AZ • Feb 27 – Mar 1

