

RESNET Update January 31, 2018



ANTITRUST POLICY STATEMENT FOR SPRAY POLYURETHANE FOAM ALLIANCE MEETINGS

- ▶ It is and shall remain the policy of the Spray Polyurethane Foam Alliance ("SPFA"), and it is the continuing responsibility of every SPFA member company, SPFA meeting or event participant, as well as SPFA staff and leadership to comply in all respects with federal and state antitrust laws. No activity or discussion at any SPFA meeting or other function may be engaged in for the purpose of bringing about any understanding or agreement among members to (1) raise, lower or stabilize prices; (2) regulate production; (3) allocate markets; (4) encourage boycotts; (5) foster unfair or deceptive trade practices; (6) assist in monopolization; or (7) in any way violate or give the appearance of violating federal or state antitrust laws.
- ▶ Any concerns or questions regarding the meaning or applicability of this policy, as well as any concerns regarding activities or discussions at SPFA meetings should be promptly brought to the attention of SPFA's Executive Director and/or its legal counsel.



Agenda

- ▶ Background and General Updates
- ▶ Exciting RESNET Initiatives
- ▶ Suppliers Advisory Board
- ▶ RESNET Building Performance Conference



What is RESNET?

RESNET
RESIDENTIAL ENERGY SERVICES NETWORK

WHAT IS RESNET?

RESNET was founded in 1995 as a non-profit organization to help homeowners reduce their utility bills by making their home more energy efficient.



RESNET'S MISSION

To make the energy use of all homes transparent, thereby driving residential sector energy use toward net zero.

RESNET'S GOALS BY 2020



50%
of all new homes
are HERS-rated



Average HERS Index
scores on new homes
meet **2015 IECC**
target **Energy Rating**
Index Scores



25%
of all HERS-rated homes are
rated for water efficiency
through the **Water**
Efficiency Rating Index

TO HELP ACHIEVE THE MISSION



RESNET CREATED AND MAINTAINS:

- ✓ The HERS Index to allow for easy comparison of energy performance of homes
- ✓ National training, certification and quality assurance standards for Home Energy Raters
- ✓ 2 American National Standards Institute (ANSI) Standards supporting energy and water efficiency in homes
- ✓ 4 Standard Development Committees:

SDC 200 responsible for the oversight of education, training, assessment and certification standards

SDC 300 responsible for oversight of all technical standards

SDC 900 responsible for oversight of quality assurance and sampling technical standards

SDC 1100 responsible for oversight of water rating standards

SUPPORT RESNET'S MISSION AND GOALS

- 9 Team Members
- 21 Board Members
- 16 Supplier Advisory Board Members
- 41 Associate Members
- 1,900+ Certified RESNET HERS Raters
- 95 Quality Assurance and Training Providers
- 170+ RESNET Energy Smart Builders
- 2 MILLION+ HERS Rated Homes



RESNET
RESIDENTIAL ENERGY SERVICES NETWORK

RESNET is the independent, national nonprofit organization that homeowners trust to improve home energy efficiency and realize substantial savings on their utility bills. RESNET's industry-leading standards are recognized by the U.S. Department of Energy and the U.S. Environmental Protection Agency, among others. To learn more about RESNET and the HERS Index, visit www.resnet.us


Sources:

www.resnet.us/professional
[www.twitter.com/resnetmarthome](https://twitter.com/resnetmarthome)
www.facebook.com/resnet1


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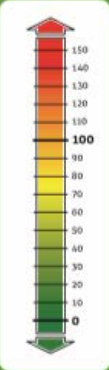
What is HERS?




What is the HOME ENERGY RATING SYSTEM (HERS) INDEX?



- ✓ The **national standard** by which a home's energy efficiency is inspected and rated.
- ✓ A typical home built to 2006 energy efficiency standards scores 100 on the HERS Index.
- ✓ A 1-Point change in the HERS Index represents a 1% change in energy use.
- ✓ A home with a HERS Index Score of 0 produces as much energy annually as it uses.



- ✓ A simple, easy to understand system for prospective homebuyers, Realtors, Appraisers and utilities to compare the energy performance of homes.
- ✓ A lower Index Score means a home uses less energy.



The HERS Index accounts for a home's energy consumption of heating, cooling, water heating, lighting and some appliances.

HOW TO GET A HERS INDEX SCORE

Obtaining a HERS Index Score requires a comprehensive home energy rating, conducted by a certified RESNET Home Energy Rater.



The HERS Rater conducts a computerized simulation analysis utilizing RESNET Accredited Rating Software.



The results are used to calculate the HERS Index score based on the home's building plans.



Then the Rater conducts a pre-drywall inspection, followed by final inspection using diagnostic testing equipment to verify the home's performance.

The technical specifications of the rating are governed by a national consensus ANSI standard that is incorporated into the International Energy Conservation Code (IECC).



WHY BUILDERS SHOULD GET HERS INDEX SCORES

- ✓ **MARKETING ADVANTAGE**
Demonstrate energy efficiency features in your homes with an independently verified HERS Index rating. 170+ Builders have become RESNET EnergySmart Builders by having all their homes HERS rated.
- ✓ **OPPORTUNITY TO INCREASE APPRAISED VALUE**
With RESNET's Appraiser Portal, your appraiser can verify the HERS Index Score and annual energy cost savings of 2+ million homes and compare your home to other HERS-rated homes in your area.
- ✓ **CODE COMPLIANCE**
More than 15 states and 300+ local jurisdictions allow a HERS Index Score to be used for energy code compliance. This number will grow significantly over the next 3 years.
- ✓ **LOWER MORTGAGE DEFAULT RISK**
Lenders are taking notice after a study that showed Energy Star labeled homes with a lower HERS score have a 32% lower mortgage default rate.

**NETWORK OF 1,900+ CERTIFIED RESNET HERS RATERS**
Available to conduct an independent HERS rating on your home and provide expert advice on improving energy efficiency in a cost-effective manner.



© 2017 Residential Energy Services Network (RESNET)

RESNET is the independent, national nonprofit organization that homeowners trust to improve home energy efficiency and realize substantial savings on their utility bills. RESNET's industry-leading standards are recognized by the U.S. Department of Energy and the U.S. Environmental Protection Agency, among others.

To learn more about RESNET and the HERS index, visit www.resnet.us

Sources:

www.resnet.us/professional

www.facebook.com/resnet1

www.hersindex.com

www.resnet.us/blog/wp-content/uploads/2013/03/Home-Energy-Efficiency-and-Mortgage-Risks-Report-1.pdf



New RESNET Staff



Cardice Howard
Operations Manager



Emma Bennett
Standards Development Administrative Assistant



Ryan Meres
Program Director



Scott Doyle
Quality Assurance Manager



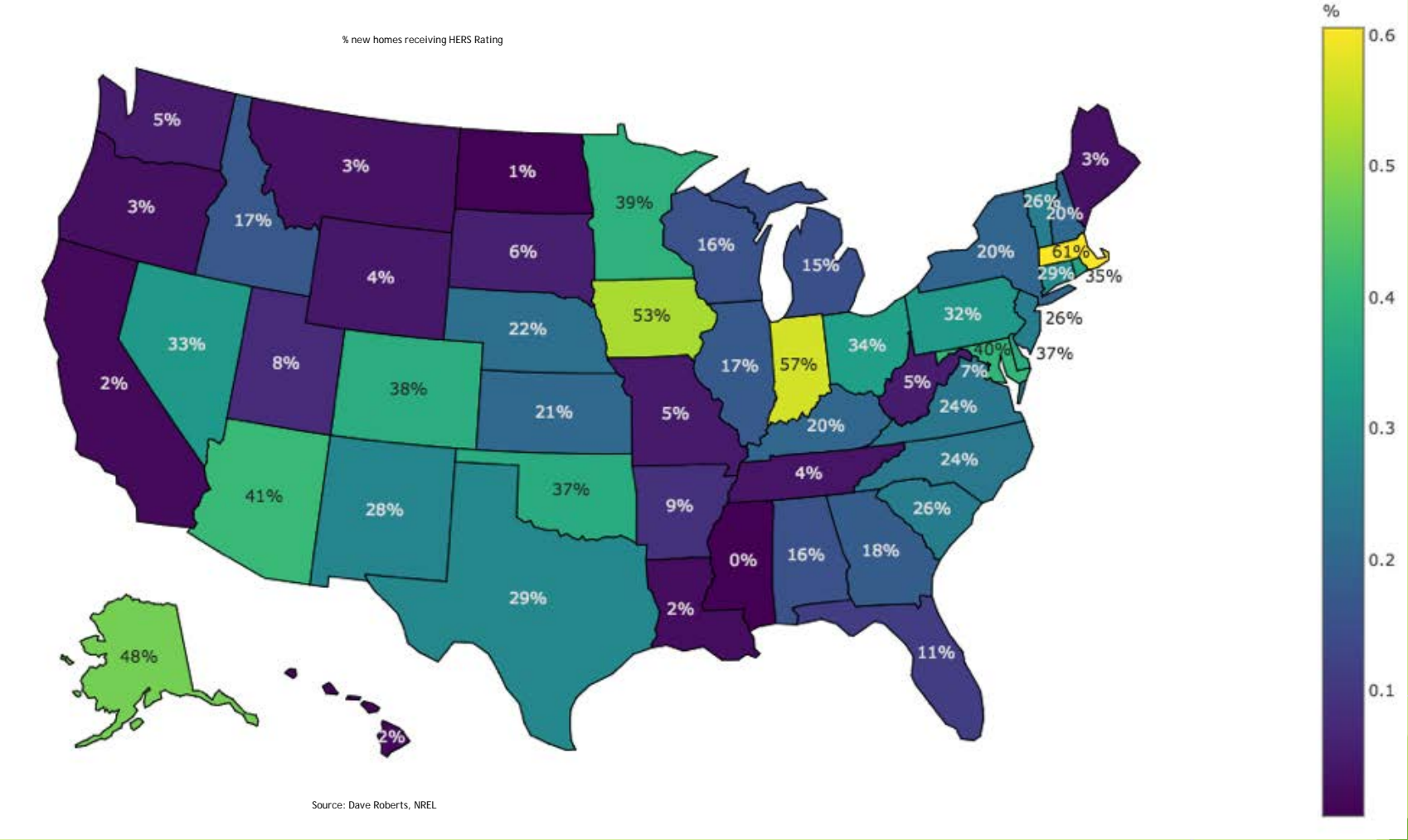
By the Numbers!

2017 Stats:

- ▶ 227,840 homes rated
- ▶ Nearly 1 in 4 new homes built in 2016 received a HERS Index Score
- ▶ Average Index Score = 62
- ▶ 21,257 more than 2016



2016 Percent of Ratings By State



Two Million Homes



Live HERS Rating Events

- ▶ RESNET has partnered on our celebration with EnergySmart Builder [KB Home](#), for a series of educational events for the real estate industry
- ▶ Show how the energy performance of a home is tested and to showcase KB Home's energy efficiency with live demonstration events of a HERS rating in progress
- ▶ Hosted for construction management students, real estate agents, appraisers, code officials in Las Vegas, Orlando, and [Denver](#), with the help of the HERS Rating Companies of [Energy Inspectors](#) and [EnergyLogic](#) and [TopBuild](#)

CELEBRATION OF OVER 2 MILLION HOMES
RECEIVING HERS RATINGS NATIONWIDE





WHAT IS THE ENERGY RATING INDEX (ERI)?

The Energy Rating Index (ERI) is an optional compliance path, incorporated in the International Energy Conservation Code (IECC) since 2015.

Nearly all states and local jurisdictions use the IECC as the basis for their residential energy code.

IECC

- ✓ RESNET/ICC ANSI Standard 301 serves as the basis for the ERI
- ✓ The 2015 and 2018 IECC specify an ERI Target Score for each climate zone
- ✓ An ERI Score of 100 is approximately equivalent to a home built under the 2006 IECC
- ✓ Each 1 Point change in the ERI Score is equivalent to a 1% change in energy use



ERI



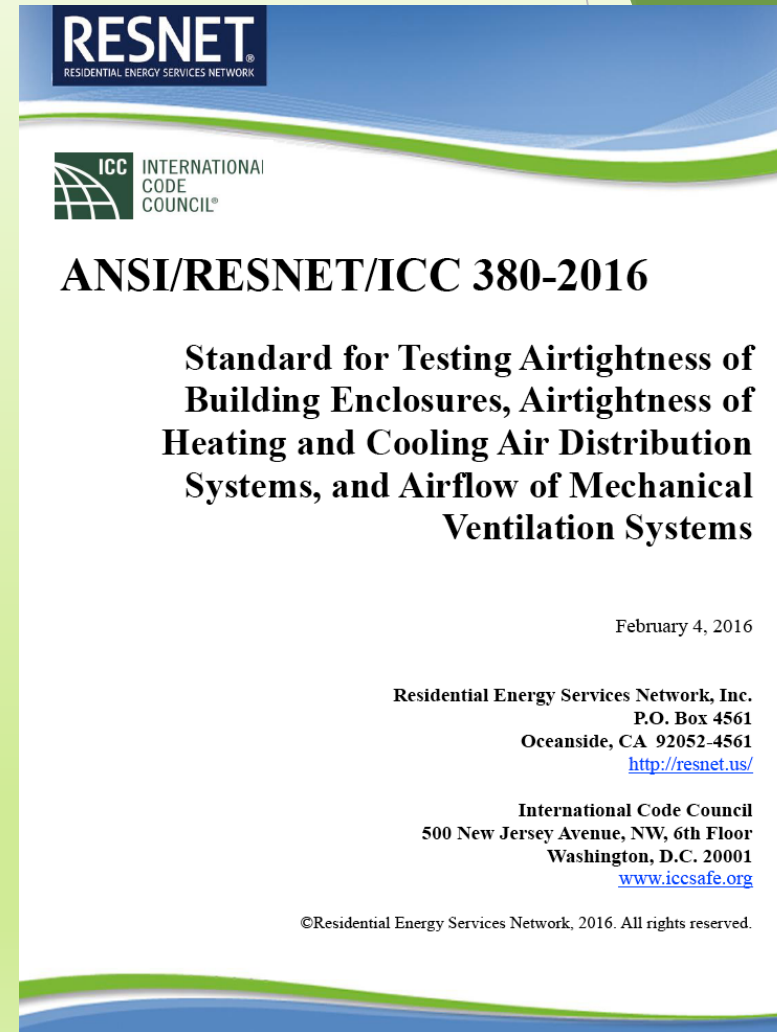
Exciting RESNET Initiatives

Multi-Family High Rise Standard



ANSI Standard 380

- ▶ Brings together diagnostic tests related to building air flow (much of which was in existing Chapter 8 of MINHERS):
 - ▶ Envelope leakage
 - ▶ Duct leakage
 - ▶ Mechanical ventilation air flows
- ▶ What is not included?
 - ▶ No Repeated single-point envelope leakage testing
 - ▶ No CAZ testing - still in Chapter 8 of MINHERS
 - ▶ Does not include inspection protocols currently found in Appendix A of MINHERS



Exciting RESNET Initiatives

HERS H2O



Exciting RESNET Initiatives

Appraisal Institute Portal

The screenshot shows the RESNET Appraisers HERS Index Portal dashboard. The top navigation bar is dark blue with the RESNET logo on the left and a user profile 'Dru V' on the right. A left sidebar contains links for 'Dashboard', 'My Profile', 'HERS Index Search', and 'Logout'. The main content area has a dark blue background with a network pattern. It features a welcome message, a description of high energy performance homes, and a search prompt. A prominent green button labeled 'HERS Index Search Tool for Appraisers' is centered. Below the main content, two white boxes provide additional information about the HERS Index and its benefits.

RESNET

Dashboard

My Profile

HERS Index Search

Logout

**Welcome to the
RESNET Appraisers HERS Index Portal**

High energy performance homes present home buyers with high value homes that are more comfortable, and have lower operating costs.

Search for a home's HERS Index Score and calculated monthly energy savings.

HERS Index Search Tool for Appraisers

The RESNET HERS Index is the national label of a home's energy performance. It involves a trained and certified professional that inspects and tests the energy performance of a home and issues a HERS Index score.

Homes with low HERS Index scores are more secure. The University of North Carolina found that homes with low HERS Index Scores had a 32% lower mortgage default rate.



Search for HERS Rated Homes

RESNET.

☰

Dru V

Dashboard

My Profile

HERS Index Search

Logout

Home > RESNET HERS Index Search Tool

RESNET HERS Index Search Tool

The tool allows appraisers to search for home HERS Index scores by state, city, zip code or address. Simply start your search below.

☒ **By State/City**

☐ **By Zip Code**

☐ **By Address**

State

California

City

El Dorado Hills

Search

Zip Code

Enter zipcode

Address

Enter Address



Filter Results

4D Appraiser

FILTERS

Use the filters below to refine your search results lorem ipsum dolor sit amet.

HERS Index Score Range

0

1

Builder Name

Select One

HERS Rating Company Name

Select One

Estimated amount for annual energy costs (\$)

\$0

\$1

Annual savings over reference home (\$)

\$0

\$1

Year of Construction Range

From Date

to

To Date

Update



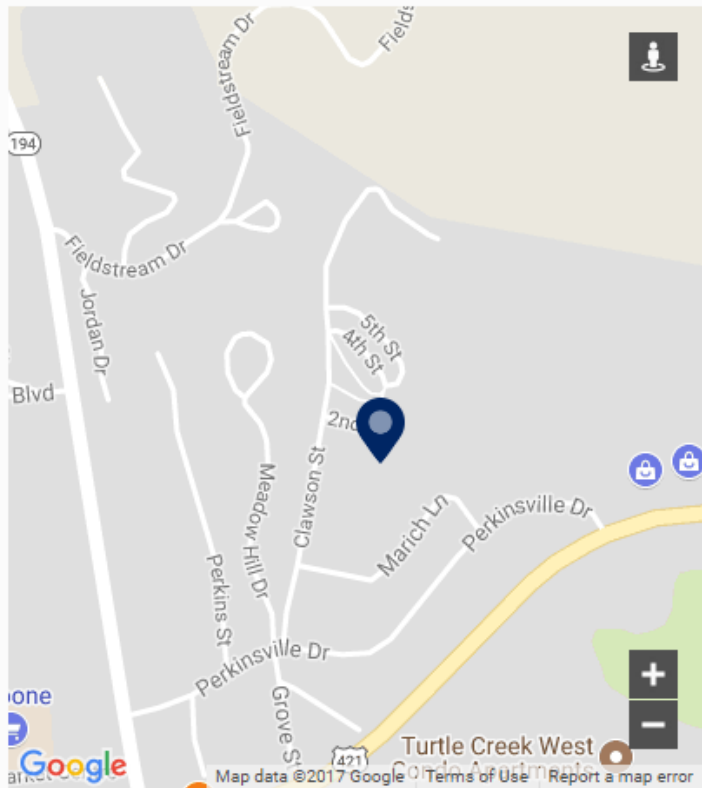
Compare Homes by City

Home Address ^	HERS Score ◇	Builder Name ◇	HERS Rating Company Name ◇	Annual Energy Costs ◇	Annual Savings ◇	Year of Constr. ◇	Energy Star Certified ◇	
116 Herring Loop Apt 101	73	United Developers	Southern Energy Management	\$814	\$253	2014	Yes	View
116 Herring Loop Apt 102	74	United Developers	Southern Energy Management	\$968	\$293	2014	Yes	View
116 Herring Loop Apt 103	73	United Developers	Southern Energy Management	\$814	\$253	2014	Yes	View
116 Herring Loop Apt 104	74	United Developers	Southern Energy Management	\$968	\$293	2014	Yes	View
116 Herring Loop Apt 201	75	United Developers	Southern Energy Management	\$801	\$246	2014	Yes	View
116 Herring Loop Apt 202	72	United Developers	Southern Energy Management	\$919	\$292	2014	Yes	View
116 Herring Loop Apt 203	75	United Developers	Southern Energy Management	\$801	\$246	2014	Yes	View
116 Herring Loop Apt 204	72	United Developers	Southern Energy Management	\$919	\$292	2014	Yes	View
133 Woodrow St	69	Watauga HfH	Advanced Energy	\$1023	\$312	2011	Yes	View
143 Herring Loop Apt 101	75	United Developers	Southern Energy Management	\$827	\$240	2015	Yes	View
143 Herring Loop Apt 102	74	United Developers	Southern Energy Management	\$974	\$287	2015	Yes	View
143 Herring Loop Apt 103	75	United Developers	Southern Energy Management	\$827	\$240	2015	Yes	View



Details on Each Home

116 Herring Loop Apt 101, Boone, NC 28607



[Back to search results](#)

HERS Index Score



Builder's Name:	United Developers
HERS Rating Company:	-
Year of Construction:	2014
Date submitted to Registry:	2015
Annual Energy Costs:	\$814
Annual Energy Savings:	\$253
Energy Star Certified:	Yes



Suppliers Advisory Board

- ▶ Annual Supplier Intelligence Report
- ▶ Product marketing emails and webinars to RESNET's more than 8,000 home energy rating and building performance professional members on relevant industry research and reports
- ▶ Representation on the RESNET Board of Directors, to serve as a communications bridge between the RESNET Suppliers Advisory Board and the RESNET Board
- ▶ Complimentary 10'x10' expo space (a \$2,000 value) at the annual RESNET Conference



Join Us in Orlando!



RESNET®
RESIDENTIAL ENERGY SERVICES NETWORK

**2018
CONFERENCE**
Orlando, FL • Feb 26 - 28

SPRAYFOAM 2018
CONVENTION & EXPO
Mobile, Alabama
1-29 THRU 2-1

Questions?

