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 was founded in 1995 as a non-profit organization to help homeowners reduce their utility bills by making their homes 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 3 stars on new homes meet 2015 ICC Energy Rating Index Score
- 25% of all HERS-rated homes are rated for water efficiency through the Water Efficiency Rating Index

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
- Standard Development Committees:
  - SDC 300 responsible for oversight of education, training, assessment and certification standards
  - SDC 300 responsible for oversight of all technical standards
  - SDC 300 responsible for oversight of quality assurance and sampling technical standards
  - SDC 300 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
What is HERS?

**RESNET**

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 60 uses 19% less energy annually as its rating.

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.

RESNET is the Independent, Neutral, Third-Party Home Performance Organization tasked to improve home energy efficiency and control, deliver cost savings through energy efficiency improvements. RESNET provides a system of standardized, third-party verifiable energy performance ratings that reflect the energy efficiency of a home.

RESNET Histograms for Home Energy Rating System (HERS) Index Scores:

- Score 0 (47.6% of homes)
- Score 100 (0.6% of homes)
- Score 50 (13.5% of homes)
- Score 60 (24.3% of homes)
- Score 70 (12.9% of homes)
- Score 80 (2.9% of homes)

How do HERS Index Scores Work?

- A Home’s HERS Index Score reflects the energy efficiency of new construction and existing homes.
- A lower HERS Index Score indicates that the home is more energy-efficient and uses less energy to operate.
- A HERS Rating of 100 is based on energy performance standards established in 2006.

Why Builders Should Get HERS Index Scores

- Marketing Advantage: Demonstrate energy efficiency features in your homes with an independently verified HERS Index rating. Homebuyers want energy-efficient homes.
- Appraisers: Appraisers use HERS Index Scores to value homes.
- Higher Quality: Higher HERS Scores indicate homes that are energy-efficient and healthy.
- Competitive Advantage: HERS Score is important for marketing and sales.
- Lower Mortgage Costs: Lower HERS Scores result in lower mortgage rates.
- Compliance: More than 25 states and 100+ local jurisdictions require HERS Index Scores for energy code compliance.

Opportunity to Increase Appraised Value

With RESNET’s Appraiser Portal, your home can be appraised with a HERS Index Score.

Network of 1,000+ Certified RESNET HERS Raters

Available to conduct an independent HERS rating on your home and provide expert advice on improving energy efficiency for a cost-effective savings.

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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.
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.

- 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.
WHO IS USING THE ERI?

15 STATES

Have adopted the ERI as an energy code compliance option.

300+ LOCAL JURISDICTIONS
Exciting RESNET Initiatives
Multi-Family High Rise Standard
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 H20
Exciting RESNET Initiatives
Appraisal Institute Portal

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
Filter Results

FILTERS

Use the filters below to refine your search results.

HERS Index Score Range

Builder Name
Select One

HERS Rating Company Name
Select One

Estimated amount for annual energy costs ($)

Annual savings over reference home ($)

Year of Construction Range
From Date to To Date

Update
## Compare Homes by City

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<th>Home Address</th>
<th>HERS Score</th>
<th>Builder Name</th>
<th>HERs Rating Company Name</th>
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Details on Each Home

116 Herring Loop Apt 101, Boone, NC 28607

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!
Questions?