



Setting the Standards for
Home Energy Efficiency



The Market Option to Energy Code Compliance

The HERS Index

SprayFoam 2016

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What is RESNET



- An industry-based, not for profit organization
- A national standards making body for building energy efficiency rating and certification systems in the USA (ANSI Accredited Standards Development Organization)
 - Consensus based standard development and amendment process
 - Transparent review and adoption process – Formal public review and comment process

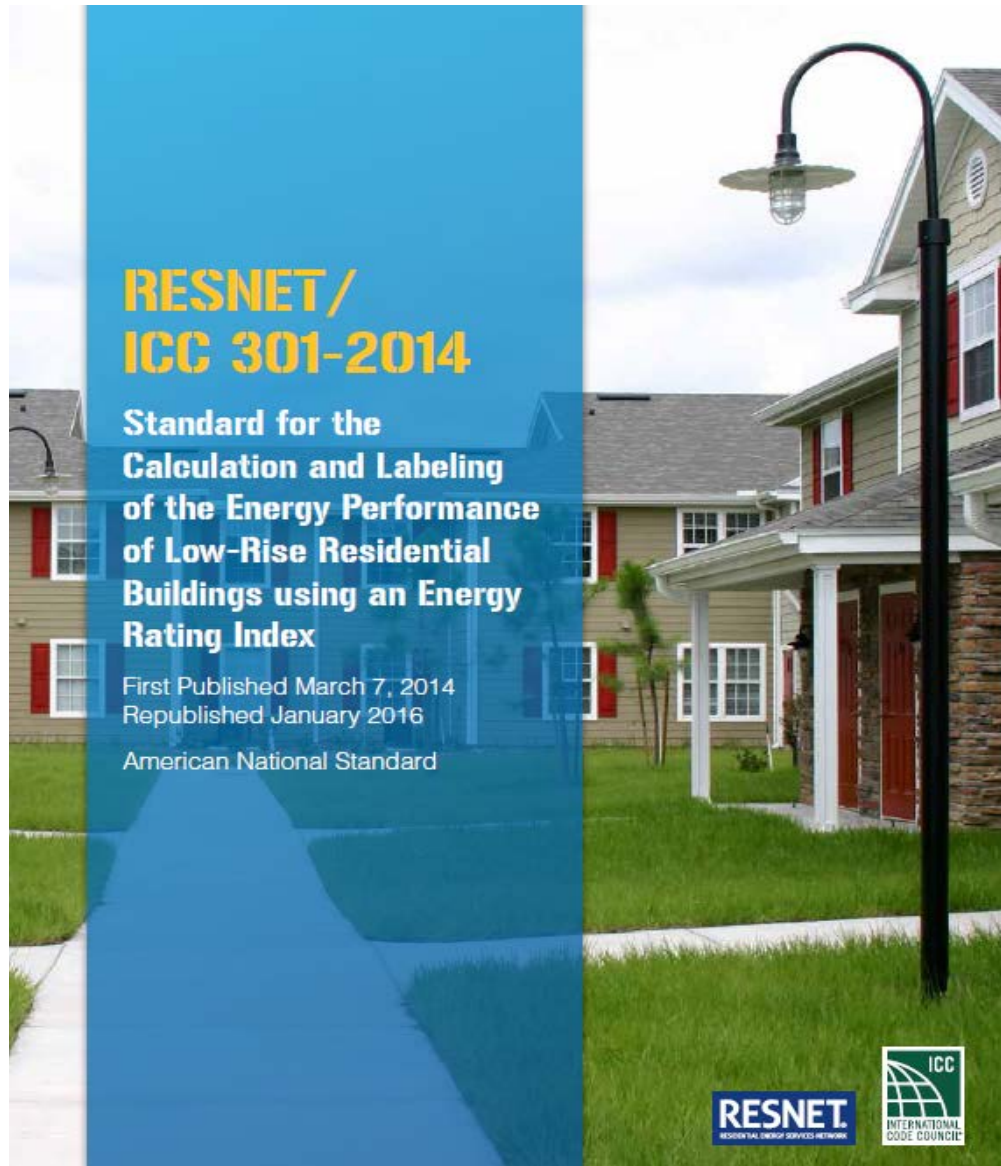
What Are Home Energy Ratings

A home energy rating is a whole house analysis of a home's energy efficiency by a trained and certified RESNET Home Energy Rater. The house data is entered into a RESNET accredited rating software tool which produces the rating

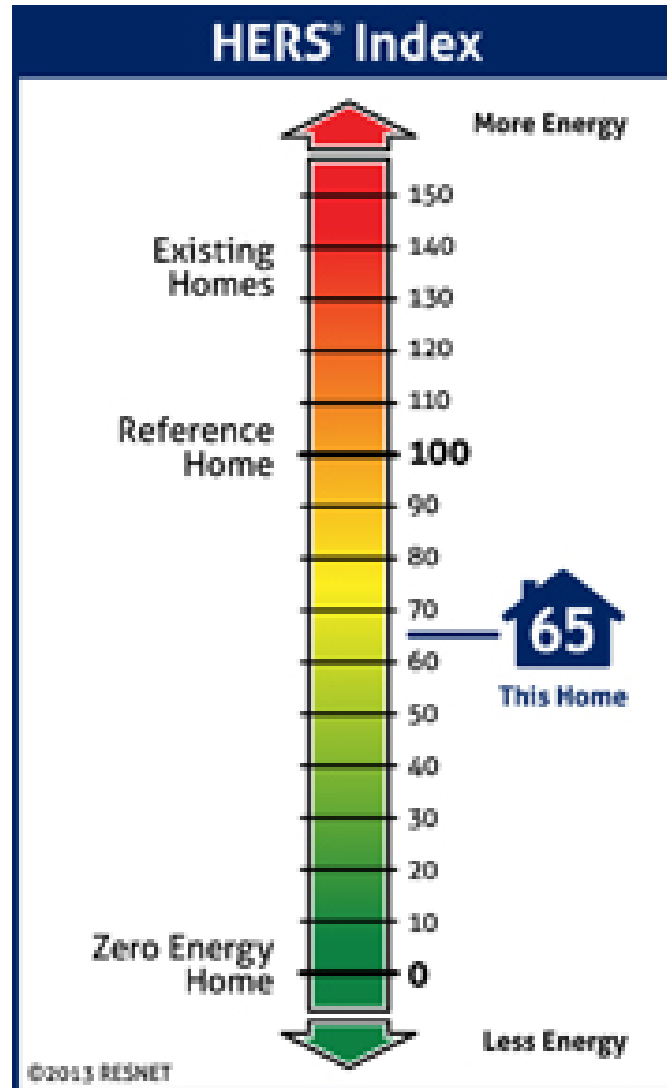
The rating produces a HERS Index Score. The HERS Index is the nationally recognized scoring system for measuring a home's energy performance.

The HERS Index can be described as a miles-per-gallon (MPG) sticker for houses.

The ANSI RESNET/ICC Energy Rating Index Standard



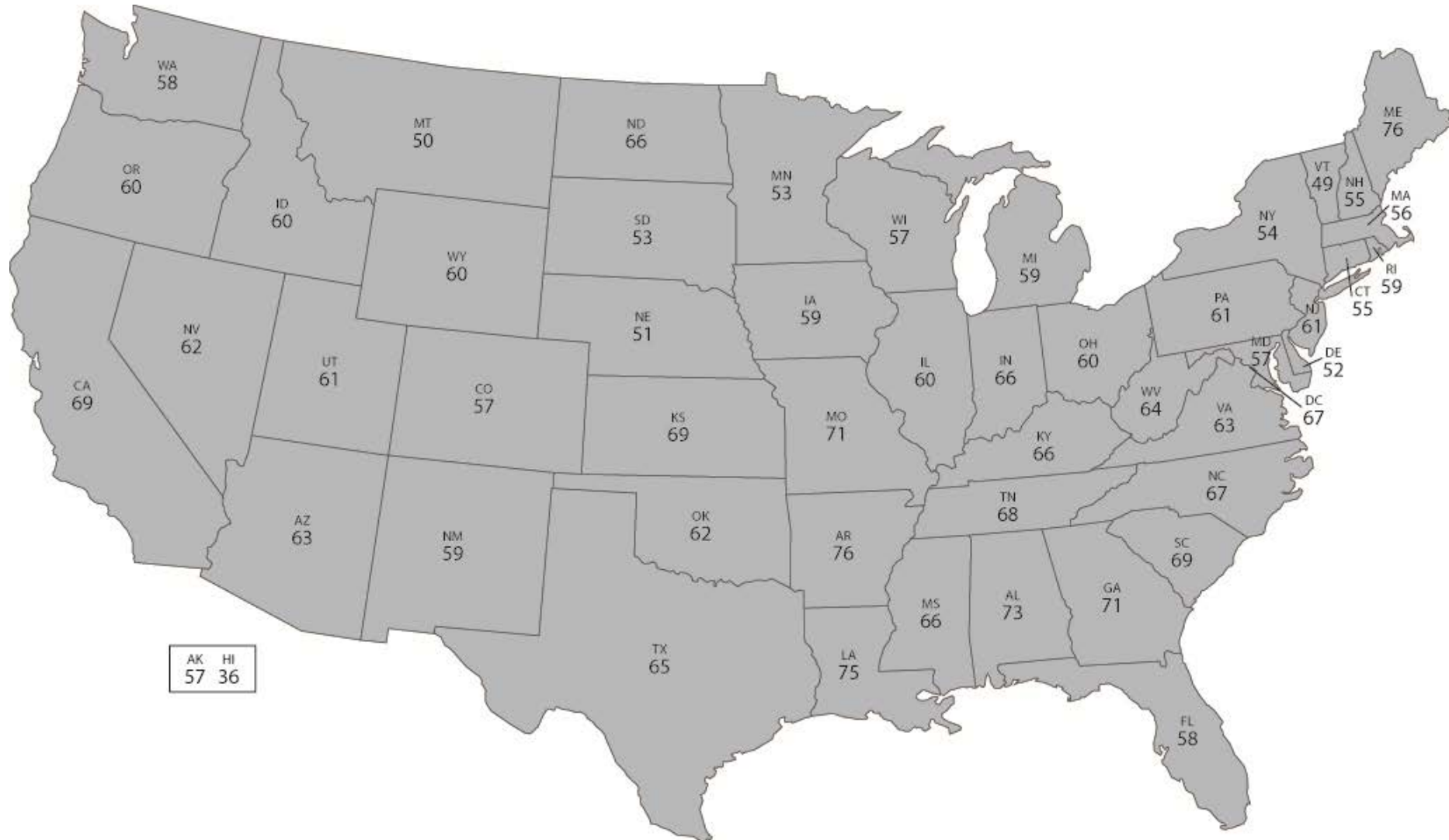
The RESNET HERS Index



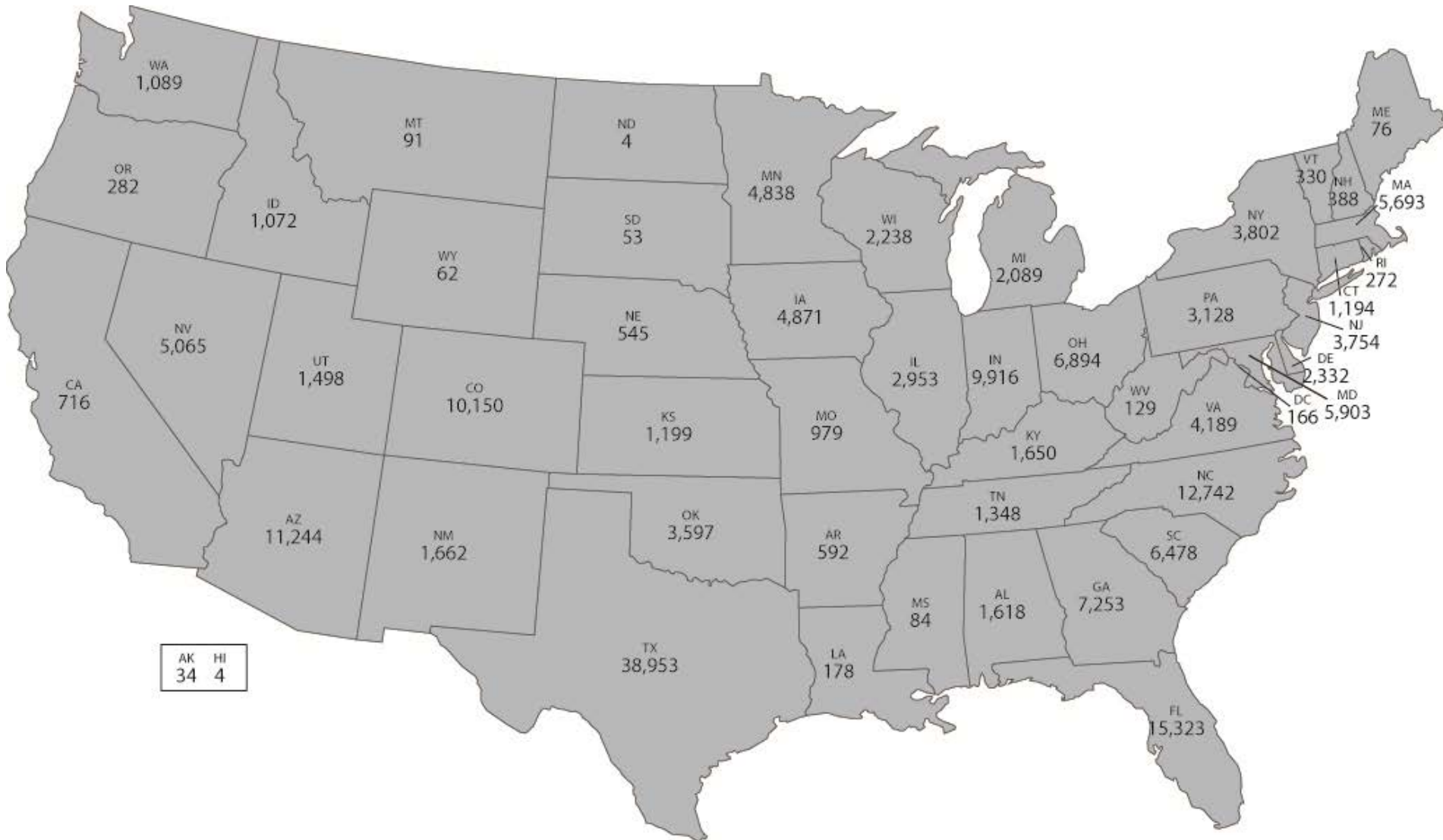
Market Penetration of HERS Index

- To Date Over 1.7 Million Homes Rated and Issued HERS Index Score in U.S.
- Over 190,000 New Homes Rated in 2015 and Issued a HERS Index Score
 - 30% increase over 2014
 - 38% of all new homes sold
- Average HERS Index Score was 62

Average HERS Index Scores by State



Number of Homes HERS Rated in 2015 by State



2015 IECC Incorporates Rating Score (R-406)

The rating scores that were adopted by the IECC are:

Regions 1 and 2	52
Region 3	51
Region 4	54
Region 5	55
Region 6	54
Region 7 and 8	53

The HERS path also requires that a builder must meet the mandatory measures of the 2009 IECC

2015 IECC Energy Rating Index Option

States That Have Adopted Energy Rating Index

- Illinois
- Maryland
- Michigan
- New Jersey
- Texas (modified scores)
- Vermont (modified scores)

Tools for Builders in Educating Code Officials on Energy Rating Index

- Fact sheets
- PowerPoint Presentation
- International Code Council – RESNET video
- RESNET Standard Energy Rating Index Compliance Report

Factsheets on Adoption of Energy Rating Index Score



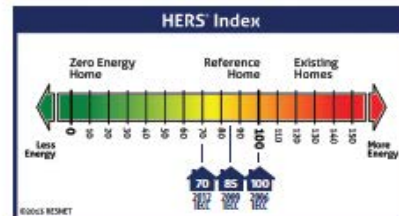
Energy Rating Index Performance Path



Benefits of the Energy Rating Index Score Option

The Energy Rating Index (ERI) performance path gives builders yet another option for complying with the International Energy Conservation Code (IECC). In addition to the prescriptive and performance paths of previous versions of the IECC, builders now have the option of meeting a target ERI score through a wide range of performance options to demonstrate compliance. The ERI performance path also requires builders to achieve the mandatory code requirements of the IECC, including water heating piping provisions, and comply with the minimum insulation and window envelope performance requirements of the 2009 IECC.

The ERI score is defined as a numerical score where 100 is equivalent to the 2006 IECC and 0 is equivalent to a net-zero home. Each integer value on the scale represents a one percent change in the total energy use of the rated design relative to the total energy use of the ERI reference design.



Using the ERI performance path for compliance with the IECC has several benefits, including more flexibility in complying with code, decreased emissions, lower building costs, reduced jurisdictional manpower, utility bill savings, increased resale value and market competition.

FROM A BUILDER'S PERSPECTIVE

Lower First Costs. The ERI performance path allows builders flexibility in achieving the ERI performance goal of the 2015 IECC rather than following the prescriptive approach. The greater flexibility allows builders to select the most cost effective efficiency measures that perform the best for each home. Leading Builders of America (LBA) estimates that a level of energy performance that would have cost \$3,000 extra using the prescriptive approach of the IECC would cost only

\$1,300 with the ERI performance path, including the cost of the HERS rating.¹ NRDC estimates that the extra costs of the down payment for the more energy-efficient home will pay back in net monthly savings in just over six months. Increased flexibility for builders also means lower construction costs, lower costs to the buyer and continual improvement in energy efficiency.

FROM A CONSUMER'S PERSPECTIVE

Utility Bill Savings. The ERI performance path provides substantial reductions in utility bills—about \$468 a year for a typical house compared to the 2012 IECC.² As such, energy efficient homes following the ERI performance path are more affordable since the monthly utility bill savings more than pay for the increase in mortgage payments. In addition, ERI scores will be provided to the buyer, creating stronger markets for beyond-code homes by clearly demonstrating lower operating costs and providing guidance to the occupant on what utility bills should be.

Resale Value. The ERI score of a home will be included on the energy label that is required by the IECC and can be used to market the efficiency of the home. In addition, many markets around the US are including HERS scores on real estate MLS listings. Energy labels and inclusion in the MLS allow builders and homeowners to effectively demonstrate the extra value of energy efficient components and utility bill savings to the next buyer for a better selling price. The Institute for Market Transformation and the University of North Carolina also found a correlation between HERS ratings and mortgage loan foreclosure. The risk of defaulting on a mortgage was found to be 32% lower on HERS rated homes and reduced correspondingly with lower HERS index scores.



Factsheets on Adoption of Energy Rating Index Score

- Overview of the ERI Performance Path in the 2015 IECC
- Benefits of the Energy Rating Index Score_Option
- Cost Effectiveness of Using the Energy Rating Index
- Energy Rating Index Scores for the 2009, 2012 and 2015 IECC
- Implementation Guidelines
- Case Studies
- Energy Rating Index Performance Path Frequently Asked Questions

Builder Presentation on Adoption of Energy Rating Index



ICC and RESNET Video for Code Officials on the HERS Index



Uniform Energy Rating Index Compliance Report



2015 IECC R-406 Energy Rating Index Report

Property

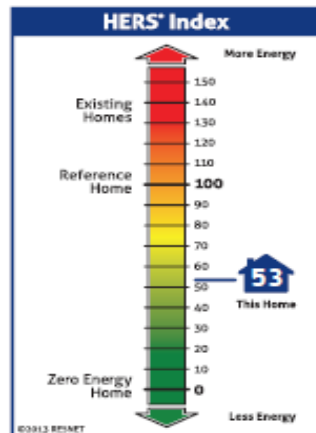
Name of Builder
Building's Address

Organization

Name of Rating Company
Phone Number of Rating Company
Name of Certified HERS Rater

Energy Rating Index Information

Confirmed Rating
Rating No: 199838
Rater ID: 8893201
Date Rated: July 15, 2015



Annual Energy Consumption*

	Rated Home Calculated Energy Use (MBtu)	Rated Home Cost (\$/yr)
Heating	28.8	428
Cooling	41.4	509
Water Heating	4.0	96
Lights & Appliances	43.7	1382
Photovoltaics	-0.0	-0
Total	117.9	3365

*Based on standard operating conditions

Annual Estimates

Electric (kWh):	16529	CO2 Emissions (Tons):	14
Natural Gas (Therms):	674	Energy Savings (\$)**:	2635

**Based on the 2015 IECC Energy Rating Index Reference Design Home

Energy Rating Index Target Score: 53 Energy Rating Index: 53

PASS

This home MEETS the Energy Rating Index Score requirement of Section 406 of the 2015 International Energy Conservation Code based on climate zone 7. In addition to the HERS Index Score other mandatory measures must be met (See Mandatory Requirements on second page).

Name
Organization

Signature
Date

Provider Data and Seal

TITLE

Company

Address

City, State, Zip

Phone #

Fax #

To determine if a Provider is properly accredited go to: www.resnet.us/professional/programs/search_directory

Federal Tax Credit for Energy Efficient Homes (45L)

Congress Extended Credit for 2015 and 2016
(Expired on December 31, 2014) With No
Changes

RESNET Proposal for 2016:

- Multi-Year Credit Based Upon 2015 IECC Energy Rating Index
- Whole House (Not Simply Only Heating and Cooling Improvements of Current Credit)
- Credit Increased to \$3,000 (Self Correcting with Market Penetration)

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 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 to find out how you can benefit from being an EnergySmart Builder.

The graphic features a blue background with three circular icons representing video, brochure, and yard sign templates. Below these is a row of three houses; the central house is white with a green location pin on its roof showing the number 63. A sign in the front yard of this house reads 'HERS RATED!'. The bottom of the graphic contains the RESNET EnergySmart Builder logo, a tagline, and a call to action for non-builders.

Customizable HERS Index Consumer Brochure

One Number That Says It All!

Like a miles-per-gallon (MPG) label for houses, the HERS Index Score is the one number that tells you how energy efficient a home is compared to other homes.

- ▶ Compare homes based on energy performance
- ▶ Know what the projected energy costs are for the home you want to buy
- ▶ Enjoy peace of mind by knowing the home was rated by a certified RESNET HERS Rater



What Is RESNET?

The Residential Energy Services Network (RESNET) is the independent, national non-profit organization that homeowners trust to improve home energy efficiency and realize substantial savings on their utility bills. It is the organization responsible for creating the national training and certification standards for Home Energy Rating System (HERS) Raters.

To qualify as a certified RESNET Rater, home energy professionals must first complete the rigorous training and testing required, and agree to abide by the RESNET Code of Ethics and Standards of Practice.

RESNET's industry-leading standards are recognized by the U.S. Department of Energy, U.S. Environmental Protection Agency, and the U.S. mortgage industry.

For more information about RESNET visit

www.resnet.us

Insert company information here and more about their HERS rated energy efficient homes.



THE HERS INDEX SCORE

It's what smart homebuyers ask for.



Insert Company Logo or Name here

Customizable HERS Index Yard Sign

Insert Company Logo or Name here



Insert company phone
number and website
address here

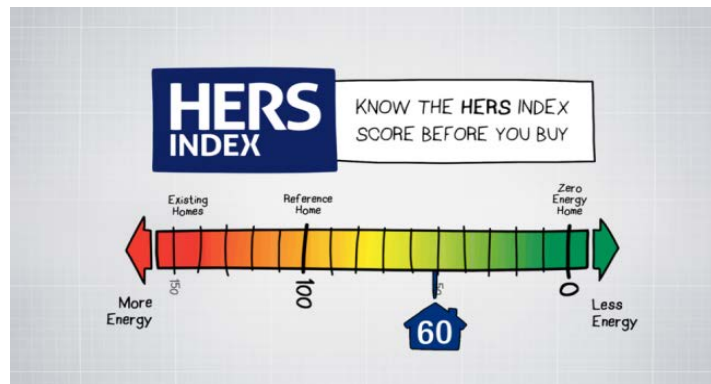
ASK FOR THE
**HOME'S
ENERGY
SCORE!**

HERS Index Videos

Consumer Video



Model Home Video



RESNET Education Campaign on Know the HERS Index Score

RESNET.
RESIDENTIAL ENERGY SERVICES NETWORK

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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

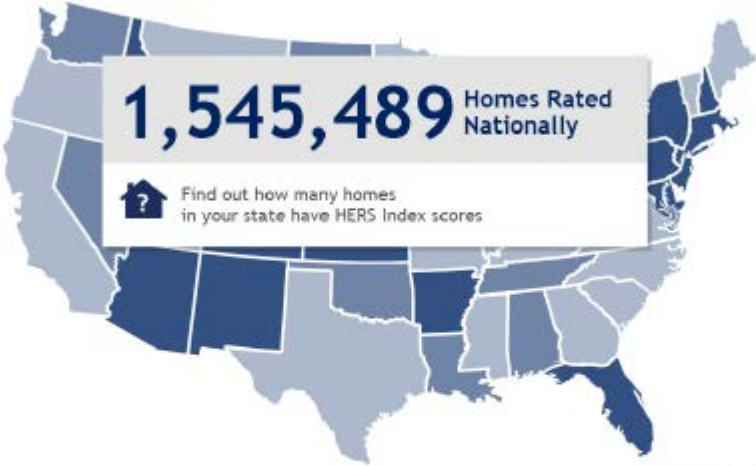
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RESNET Education Campaign on Know the HERS Index Score

RESNET.
RESIDENTIAL ENERGY SERVICES NETWORK

HERS® INDEX MICROSITE | RESNET MEMBERS | ASR AFF EXPERT |  

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



1,545,489 Homes Rated Nationally
 Find out how many homes in your state have HERS Index scores

Looking for a HERS Rated Home?


Homes with HERS Index scores are more energy efficient, resulting in lower energy bills and higher home comfort. To find out if a home has been HERS-rated, enter its full address in fields below.


Street Address*

City

State *

Zip Code

 **FIND**

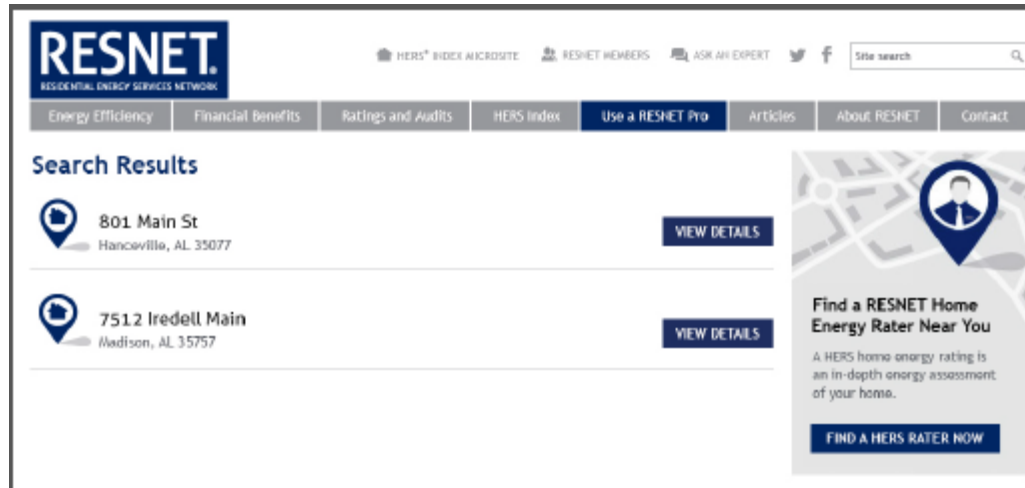


Find a RESNET Home Energy Rater Near You

A HERS home energy rating is an in-depth energy assessment of your home.

FIND A HERS RATER NOW

RESNET Education Campaign on Know the HERS Index Score



The screenshot shows the RESNET Residential Energy Services Network website. The header includes the RESNET logo, navigation links for HERS Index, RESNET Members, Ask an Expert, and a site search bar. A secondary navigation bar lists categories: Energy Efficiency, Financial Benefits, Ratings and Audits, HERS Index, Use a RESNET Pro, Articles, About RESNET, and Contact. The main content area displays search results for two locations: 801 Main St, Hanceville, AL 35077 and 7512 Iredell Main, Madison, AL 35757. Each result has a 'VIEW DETAILS' button. On the right, there is a sidebar with a map icon and a call to action: 'Find a RESNET Home Energy Rater Near You', followed by a brief explanation of the HERS rating and a 'FIND A HERS RATER NOW' button.

RESNET.
RESIDENTIAL ENERGY SERVICES NETWORK

HERS® INDEX ANCROSITE RESNET MEMBERS ASK AN EXPERT Site search

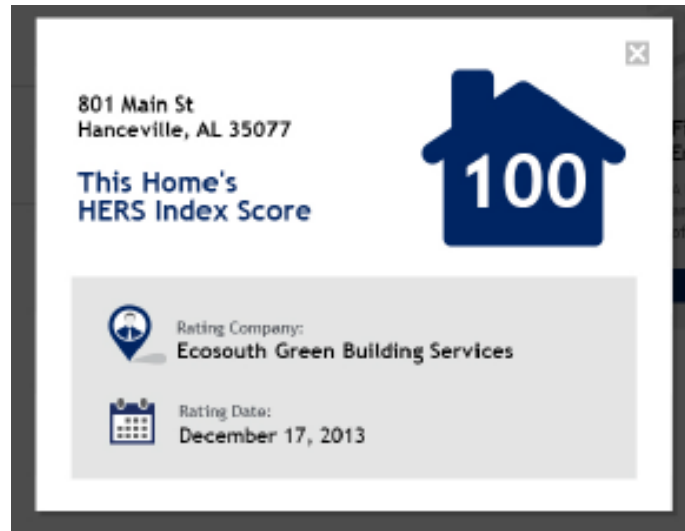
Energy Efficiency Financial Benefits Ratings and Audits HERS Index Use a RESNET Pro Articles About RESNET Contact

Search Results

801 Main St
Hanceville, AL 35077 [VIEW DETAILS](#)

7512 Iredell Main
Madison, AL 35757 [VIEW DETAILS](#)

Find a RESNET Home Energy Rater Near You
A HERS home energy rating is an in-depth energy assessment of your home.
[FIND A HERS RATER NOW](#)



The image shows a close-up of a home energy rating card. It features a blue house icon with the number '100' inside, indicating a perfect HERS Index Score. The address '801 Main St, Hanceville, AL 35077' is listed at the top. Below the score, the text 'This Home's HERS Index Score' is displayed. The rating company is identified as 'Ecosouth Green Building Services' and the rating date is 'December 17, 2013'.

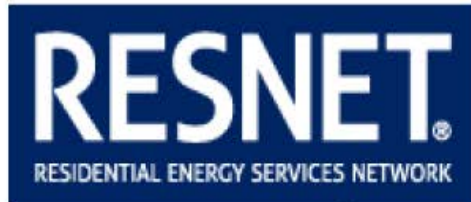
801 Main St
Hanceville, AL 35077

This Home's HERS Index Score

Rating Company:
Ecosouth Green Building Services

Rating Date:
December 17, 2013

RESNET Education Campaign on Know the HERS Index Score



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[HERS Index](#)

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[Articles](#)

This Home Is Not HERS Rated

If you're a homebuyer looking for a new home, it only makes sense to ask for the HERS Index Score. It's the one number that lets you comparison shop for homes based on energy performance. So ask for the HERS Index Score before you buy!

For homeowners, getting your home HERS-rated brings many advantages, such as:

- ✓ Increased home value
- ✓ Improved home comfort and lower energy bills
- ✓ Understanding the true cost of your home

RESNET Education Campaign on Know the HERS Index Score

Social Media Campaign

- Google Ads
- Facebook Ads
- Post on RESNET Social Media

News Releases

Join Us in Scottsdale in 2016

