



RESNE HERS Associate

<u>Frank O'Brien-Bernini</u>: VP and Chief Sustainability Officer, Owens Corning (founding Chair of the RESNET Suppliers Advisory Board) <u>Steve Byers</u>: CEO of EnergyLogic (RESNET Board Member)

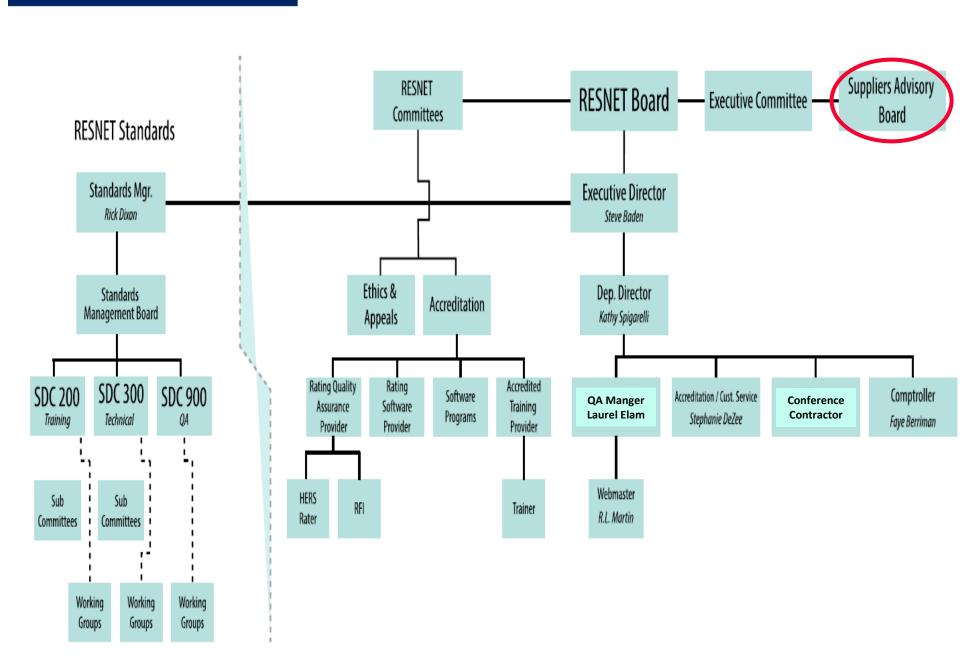
RESNET Suppliers Advisory Board

<u>Purpose</u>: Opportunity for suppliers to better understand RESNET; network with other suppliers, customers and HERS raters; and provide supplier input to the RESNET Board of Directors.

<u>Members</u>: Energy efficient product and solution suppliers that play a critical role in improving the energy performance of homes. Key strategic partners to the RESNET Board, bringing the industry's perspective.



RESNET Organizational Chart



2017 Members

- Air King
- APA
- **Bonded Builders Warranty**
- Cardinal Glass Industries
- CertainTeed Insulation
- Covestro, LLC
- DuPont Building Innovations Panasonic Eco Solutions
- Ingersoll Rand

- Johns Manville
- Knauf
- Lockton Affinity
- LP Building Products
- NAIMA
- Owens Corning
- Retrotec, Inc.

Nice member mix: small/large; focused/diverse; products and installed services; and associations: covering most HERS-impact product/solution categories

Four Sub-Committees

- 1) Public Policy
- 2) Training/Certification for Supplier Employees
- 3) Social/Marketing Outreach
- 4) Tools, Techniques and Installation Methods

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RESNET Suppliers Advisory Board: Training/Certification for Supplier Employees Committee

Committee Focus Area:

- Make HERS 'light' training available for suppliers
- Create 'HERS Associate' Designation

Committee Members:

- Laura Dwyer, DuPont Building Innovations, Committee Chair
- Ted Cater, Panasonic
- Shawn Mullins, Owens Corning
- Dale Stroud, Uponor
- Tom Calzavara, Johns Manville
- Gerald Van Decker, RenewABILITY Energy

The Making of the *HERS Associate*

- February 2016, RESNET Board of Directors approved the RESNET designation "HERS Associate". This new RESNET certification level is intended for anyone needing/wanting a working understanding of RESNET and HERS for uses other than conducting ratings.
- The HERS Associate was originally targeted for supplier employees, but is broadly applicable, but not limited to, architects, engineers, builders, trade sub-contractors, appraisers, advocacy groups and code officials.
- The Training and Certification Committee of the Suppliers Advisory Board developed learning objectives that must be met for an individual to earn the RESNET HERS Associate Certificate.
- To become a HERS Associate, an individual must pass a RESNET approved course that is designed to meet the established learning objectives.

HERS Associate Learning Objectives

- Introduction of course, RESNET and the HERS Index
- Guiding principles used by HERS Raters to rate a home and produce a HERS Index Score
- Relate the principles of building science as they apply to HERS
- Inspection and testing protocols used in rating a home
- Computer modeling and the methodology to produce a HERS Index
- HERS Scores and the IECC

Creating/Taking a HERS Associate Course

- Training is open to any partner, stakeholder organization or RESNET Training Provider
- Those interested in offering this course need to submit a course description and curriculum to RESNET for approval
- Curriculum must meet the Learning Objectives
- Must include a final test
- Format can be self-paced, webinar or workshop
- Contact RESNET for an application to provide a HERS Associate training course
- Contact RESNET for available courses

Next Steps for Creating a HERS Associate Course

To submit a HERS Associate course for approval go to:

https://www1.resnet.us/pd/hers_associate.aspx

- What to Submit:
 - A completed application form
 - Course application fee: \$100
 - A detailed course description that demonstrates how the Learning Objectives will be achieved
 - Allow 10 working days for review

RESIDER

HERS Associate

Official Certificate





RESNET HERS Associate

Candidate Name

Company Name

June 24, 2015

<INSERT CANDIDATE NAME> has successfully completed the RESNET <INSERT TITLE> program and is designated as a RESNET HERS Associate.

Steve Baden

RESNET, Executive Director

RESNET

HERS Associate

RESNET

Suppliers
Advisory Board



Why?

- A void in the ecosystem
- Need for knowledge
- Certification not designation

Who?

- Suppliers (R&D, Sales, Marketing, Product Managers, Technical Service...)
- Architects
- Engineers
- Builders

- Trade Sub-contractors
- Estimators
- Code Officials
- Consultancy
- Advocacy Groups
- Who are we missing?

Deeper dive into Learning Objectives

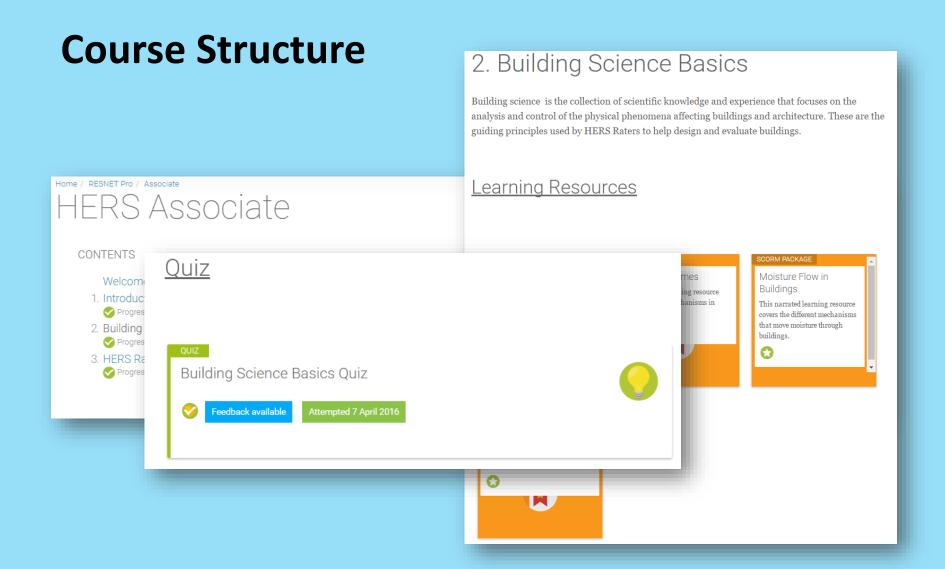
- Module 1 Introduction & RESNET
- Module 2 HERS Rater Guiding Principles (Building Science Basics)
- Module 3 Inspections & Diagnostic Testing
- Module 4 Modeling & The HERS Index
- Module 5 HERS and The International Energy Conservation Code (IECC)
- Module 6 Final Exam

Even deeper!

- Recognize the roles of RESNET.
- List the standards development committees of RESNET.
- Know the structure of the HERS Industry.
- Explain the roles of HERS Raters.
- Compare and contrast the roles of the building official with the HERS Rater.
- Distinguish between RESNET, HERS Providers, and HERS Raters.
- Discuss heat flow through buildings.
- Theorize causes of energy loss in buildings.
- Distinguish between different modes of air flow through buildings.
- Illustrate air flow impacts on buildings from stack, wind, and system effects.
- Distinguish between different moisture flows in buildings.
- Interpret the principles of the house as a system concept.

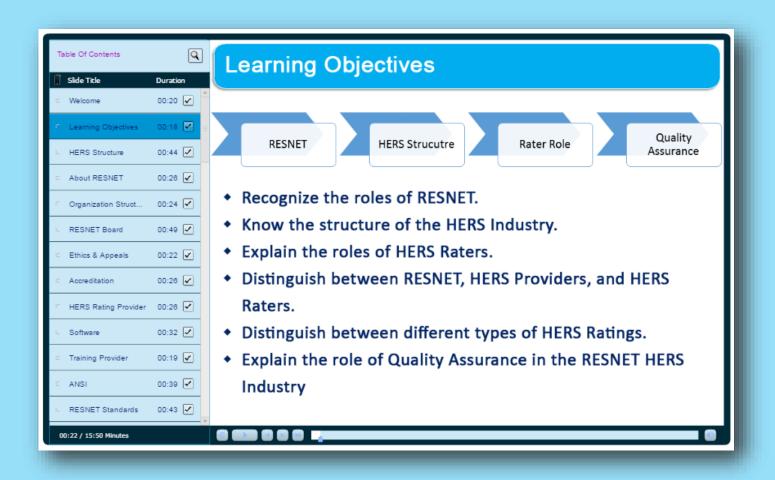
- Explain the methodology of calculating the HERS Index.
- Distinguish between different types of HERS Ratings.
- Distinguish the difference between energy code compliance pathways.
- Explain the role of Quality Assurance in the RESNET HERS Industry.
- Relate the principles of building science to codes and HERS.
- Recognize the purpose of energy modeling software for code compliance.
- Describe the inputs used to generate an energy model.
- Describe additional compliance checks performed by energy modeling software.





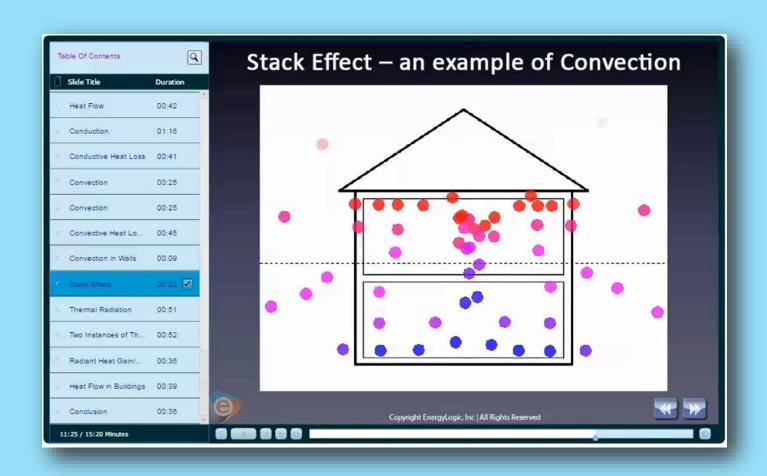


Module 1 – Introduction & RESNET



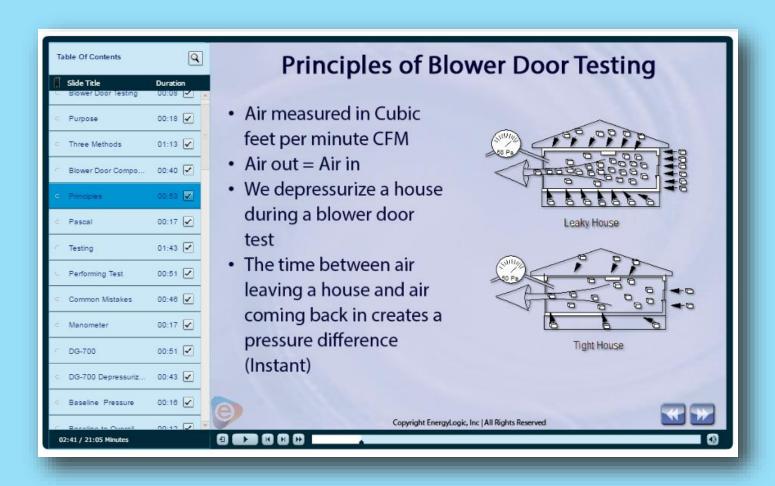


Module 2 – HERS Rater Guiding Principles (Building Science Basics)



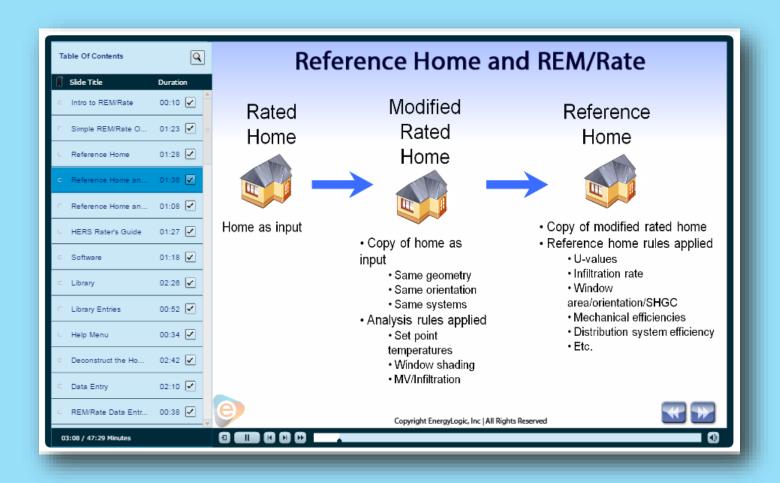


Module 3 – Inspections & Diagnostic Testing



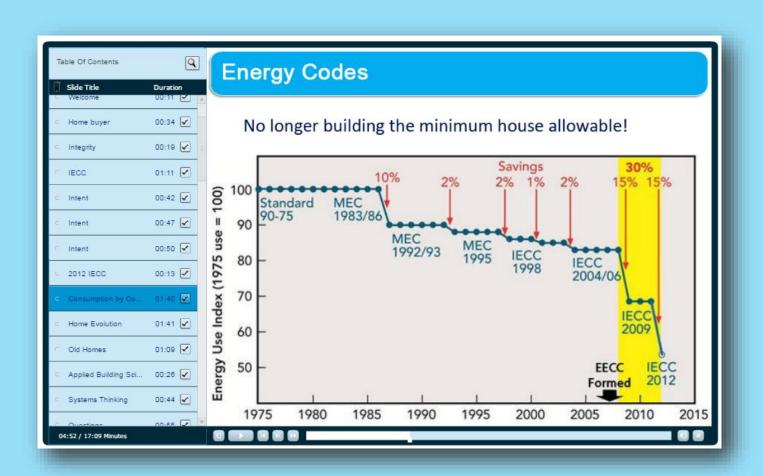


Module 4 – Modeling & The HERS Index



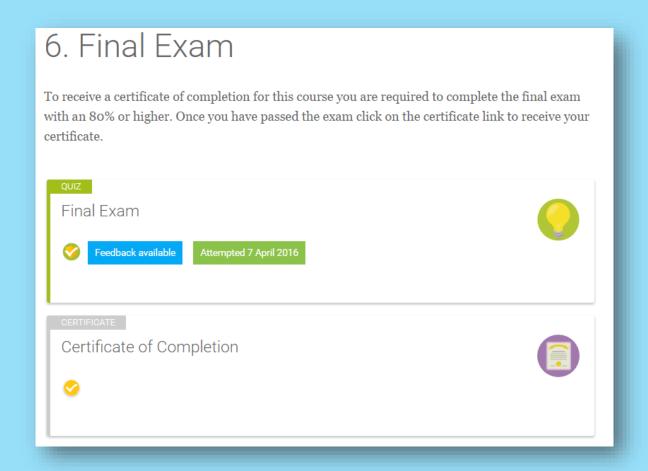


Module 5 – HERS and The International Energy Conservation Code (IECC)





Module 6 - Final Exam





HERS Associate



Thank you!