

RESNET GREEN RATER DESIGNATION

Wednesday 8:30am – 10:00am / Iberville Room

**Kelly Parker,
President, GWS**

September 14, 2007

President's Report

RESNET Board President Kelly Parker reported that in an effort to align LEED for homes with RESNET he had reached an agreement with Jay Hall, acting director of the LEED for Homes Program, that RESNET would create a green rater certification. This agreement stated that a green rater certification could be achieved by completing a one-day course taught by a RESNET Training Provider. This certification would be consistent with the specialty certifications currently in the RESNET Standards.

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of the LEED for Homes Program, that RESNET would create a green rater
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This certification would be consistent with the specialty
the RESNET Standards.

C.T. Loyd moved the
and the

September 14, 2007

President's Report

C.T. Loyd moved that the Southface Energy Institute, Florida Solar Energy Center and the U.S. Green Building Council draft a training curriculum for a specialty green rater certification that could be offered by RESNET Training Providers. Philip Fairey seconded the motion. Eric Borsting offered a friendly amendment authorizing Kelly Parker and Bruce Harley to form an ad hoc task force to review the draft curriculum and send it on to the RESNET Training and Education Committee for consideration before coming back to the full Board for consideration. The friendly amendment was accepted. **The motion passed**

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... a one-day course taught by a RESNET Training
... consistent with the specialty
... Hall, acting director
... RESNET Standards.
C.T. Loyd moved that
and the

Green Rater Certification Task Force of 125 Members

Ben Adams, J. Scott Easton, Westoff Services
Dondi L. Atw, Laurel Elam, Ap Teri Leigh, South
Edward Aul, Timothy R. Fish Gary C. Lewis, C
Nathan Ball, William (Stan) S Mark Lidd, Bare1
Beth Baxter, Ken Fonorow, F Matt Lillard, Gree
Miki Beacon, Steven A. Gleay Bill Lilly, Californi
Robert Bolu, Travis Gumm, F David J. Lyle, Ho
Thomas J. E, Chuck Halloran Ethan MacCormi
Michael Broi, Bruce Harley, C David M. Mann, I
Steve Byers, Chip Hendersor Richard Manning
Oscar L. Ca, Clinton Heyn, D John E. Meeks, /
Laura Capp, Michael Holcorr Jeff Middlebrook
Don Carr, N, Bion Howard, B Frank A. Mignec
Stephen P. C, Rob Howard, H Craig R. Miller, U
Debbie Che, Ghasem Jafarr Tom Moreland, M
Ron Clark, E Richard P. Jenk George Mullikin,
Kat Cortelyo, John Johansen, Dr. A. Colon Neg
Jack Cowan, Tom Jones, K. T Cecile Newcomb
John A. D'Ar, Bill Kelliher, Airt Mark Newey, Cel
Vicki Davis, Roger Landry, E Scott Newsham,
Guy DuBois, Jason Lawrence Lee O'Neil, CGE
Terry Duszy, Leslie Lazareck Kelly Parker, P.E.,
William Parlapiano, BP Consulting
Rob Pickett, TimberLogic LLC
Stewart Porthero, Energy Services Group
David Rabenau, Show Me Home Energy Solutions
Carl C. Ramsey, Architectural & Environmental Associates, Inc.
Steven Rinehart, Rinehart Real Estate Inspection Services
Paul Rosen, NorthBay Energy Services. Inc
Allison Senn Al Tibbs, C.L.I. Group, LLC
Steven B. S, Jeremy Truog, Sustainable Environmental Services
Wayne Sew, Eli Volem, Earth Advantage
Kristin Shew Raymond M. Walsh, SENCON
Eric Shober, Joe Weaver, Cool Green Consulting
Pepper Smit Jon E. Whitney, Healthy Living By Choice Associates, LLC
Trudy Y. Sm David Wilson, Energy Rated Homes of Utah
Matt Steven, Robert E. Wisniewski, MaGrann Associates
Robert Stocl Barb Yankie, Homes+, Inc.
Randy Straight, Certainteed Corporation
Max R. Strickland, Burkholder Construction Co.
Dennis J. Stroer, Calcs Plus
Bryan Taylor, Sustainable Building Solutions (SBS)
Manfred Thyssend, Healthy Living By Choice Associates, LLC
Guaranteed watt Saver (GWS)

As of TODAY!

Based on the input from members of the task force, the RESNET Green Rater Lesson Plan has been finalized.

RESNET conducted the revised RESNET Green Rater Training on February 14 & 15, 2009 in New Orleans in conjunction with the 2009 RESNET Building Performance Conference.

After the February training, RESNET will complete a final evaluation of the training by the training attendees. The evaluation will be used as the basis for finalizing the training.

RESNET will be accrediting training providers to provide the RESNET Green Rater Training across the nation on an ongoing basis.

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What is the RESNET Certified Green Rater Designation?

RESNET has recently established a new professional designation for certified home energy raters: the RESNET Certified Green Rater. Participants seeking to receive the RESNET Green Rater designation are required to be RESNET Certified HERS Raters prior to receiving this advanced designation.



RESNET GREEN RATER DESIGNATION

What is the RESNET Certified Green Rater Designation?

This new RESNET Certified Green Rater designation identifies HERS Raters that have received additional training in

The specific role that green raters have in the verification of green measures offered by most green home building programs,

and ...

The application of specific decision criteria to determine if green measures are compliant with the requirements of a green home building program.



What is the RESNET Certified Green Rater Designation?

HERS Raters completing this training will receive a RESNET Green Rater Certificate and RESNET rater members will have the RESNET Green Rater icon in their listing on the RESNET Rater Member Directory.

Note that RESNET Green Raters are eligible to work for local, regional, or national green home building programs, but they may have to meet additional training and certification requirements of those programs.

This RESNET course provides foundational green rater knowledge to help green raters to prepare for the unique certification requirements of these diverse green home building programs.



What is included in this course?



What is included in this course?

This training prepares green raters to deliver the typical verification requirements of most green home building programs in the US. The curriculum includes inspection, calculation, performance testing, and documentation requirements for the following types of green measures:

Durability

Site

Water Use

Materials

Energy (Beyond ENERGY STAR)

Indoor Air Quality



What is included in this course?

The course also includes modules on "green building" science, ethics, and professional liability.

It is assumed that all participants will be well versed in the HERS industry. Participants that are not familiar with HERS Ratings should acquire such knowledge before taking this training.



Who can take the course?



RESNET GREEN RATER DESIGNATION

Who can take the course?

Any one can take this new RESNET course.

However, the RESNET Certified Green Rater designation is only available to individuals that have already achieved the RESNET Certified HERS Rater designation.

Note: Last years Green Raters are Grandfathered.



Who can take the course?

As a prerequisite, it is expected that individuals that attend the RESNET Green Rater course will already have knowledge of all of the following:

A wide range of green home building strategies and practices

Benefits associated with each of the green home building practices

Fundamentals of green building rating (or scoring) system, and...

Fundamental verification procedures for green home building design and construction practices.



Who can take the course?

Ideally, all participants will have already completed at least a day long training (classroom or online) that is offered by local, regional or national green home building program.

Participants that have not completed a prior green home training program should acquire such knowledge before taking this training.



What is in the course?

1. Welcome & Introduction	8
2. Green Rater Basics	13
3. Green Building Science	21
4. Durability Planning	33
5. Site Planning	46
6. Water	55
7. Energy	62
8. Materials & Resources	
9. Indoor Air Quality	
10. Green Building Programs	
11. Ethics / Professionalism	
12. Final Exam	



2.2 Terminology (3 Minutes)

Intro

(Why is this measure important?)

Intent:

- Explain the common roles a Green Rater may interact with on a project team

Related benefits:

- Knowing the role of a Green Rater within a project team will help the rater better sell their services

Core Competency 1

(What are the specific knowledge, skills, abilities students will learn?)

- Define the following team member roles: Inspector, Reviewer, Verifier, Rater
- Define Verification and Certification

Learning Objectives:

(How students will demonstrate their achievement of competency 1)

- Articulate how they may fill specific roles on a team

Synergies

(What other green measures does this measure interact with?)

Rater Business development and success will depend on their ability to market their services and find ways to work with a variety of projects and project teams.



Core Competency 1

(What are the specific knowledge, skills, abilities students will learn?)

- Builder benefits include improved customer satisfaction, market differentiation, and increased value
- Home Buyer benefits include higher quality/durability, energy savings, healthier living, higher comfort levels and increased value
- Through third party verifications quality increases
- Increased quality reduces the number of call backs for builders
- Increased quality reduces the number of maintenance issues for home owners

Learning Objectives:

(How students will demonstrate their achievement of competency 1)

- Confirm they are able to sell the benefits of green

Synergies

(What other green measures does this measure interact with?)

Rater Business development and success will depend on their ability to market their services and find ways to work with a variety of projects and project teams.



3.3 Advanced Building Science (Site, Materials and Water) (20 Minutes)

Intro

(Why is this measure important?)

Intent:

- Understand the radical impacts building orientation and siting can have on energy consumption
- Identify minimal design adjustments appropriate for standard homes that lead to maximum impacts

Related benefits:

- Site features impact energy, air movement, moisture and environmental footprint, and should be considered during planning
 - Extensive passive solar design saves up to 80% on energy
 - Basic passive solar design principles easily save 10-30% on energy
 - Protection from wind through siting considerations
 - Better drainage and home protection through siting considerations
- Integrated design has measurable impacts on cost
- Considering material options and water resources during the design phase and their relationship to building science can improve the environmental footprint of a home and reduce construction costs for green building
- Note: Site features related to water retention and irrigation, landscaping and plant preservation, and density are covered under the Site module



Where does the Green Rater Fit In?



RESNET GREEN RATER DESIGNATION

RELATIONSHIPS



PROVIDERS

PROVIDERS

HERS Raters

Alternative names used by Providers
LH Green Rater
LH Project Manager
LH Affiliate
LH Representative
LH Professional
LH Associate

GREEN RATER

Verifier

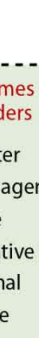
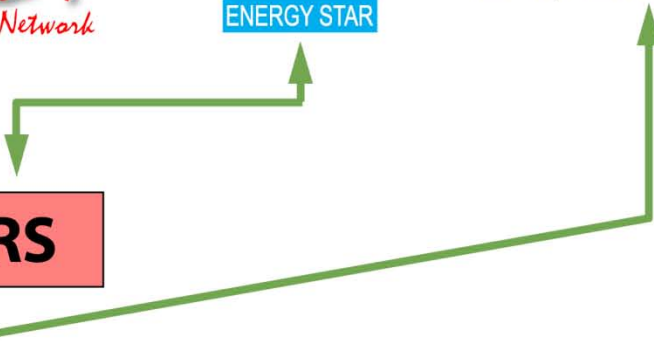


Uses either a HERS Rater or RESNET Green Rater as 3rd Party Verifier

recommended



recommended



Example of Actual Course...

