



2012 RESNET Building Performance Pre-Conference Sessions

Please note pre-registration is required for ALL pre-conference sessions

Two Day Courses- Saturday (2/25)-Sunday (2/26)

Manual-J Training

Saturday 2/25 & Sunday 2/26 8 AM-5 PM

Grow your business by offering Manual-J calculations! Now that room-by-room Manual-J load calculations are required by Energy Star, you have a great opportunity to grow your business! In addition, the savings in HVAC equipment costs typically saves your client more than they have to spend to have you perform the calculation!

Manual-J is the first step of the HVAC design process. This process ensures that the designer understands the true energy needs of a building, so that a properly sized system can be selected. Due to the presence of new building materials, advanced insulation systems, solar design strategies, and efficient ventilation systems, it's impossible to use rule-of-thumb sizing methods and achieve accurate results.

Whether you're an HVAC contractor, an energy auditor, or a HERS rater, this class will provide you a better understanding of proper system sizing and the implications of doing things the "wrong" way.

You'll leave this class familiar with Wrightsoft software, enabling you to easily perform load calculations for yourself or your clients. Students must bring their own laptop, as you'll be using a demo copy of Wrightsoft software to do in-class and homework problems. *Pre-registration is required

Pre-registration is required through <http://store.homeenergypartners.com/index.php/training/manual-j.html>

Cost: \$475

Presenters: Isaac Savage, Home Energy Partners

Energy Efficient Mortgage (EEM) Partner Training for HERS Raters and Contractors

Saturday 2/25 & Sunday 2/26 8 AM-5 PM

This two-day course will properly prepare HERS Raters and Home Performance Contractors to complete the entire process of each type of Energy Efficient Mortgage. It will cover topics such as: FHA, VA, and conventional guidelines, Existing home and new construction EEMs, Completing an EEM step-by-step, Proper documentation and report requirements, How to use REM/Rate effectively, Working with lenders and real estate agents, Case studies of new purchases and refinances, Marketing ideas and strategies.

Plus, you will get tools and materials that will simplify the process and minimize your turn-around time which is critical to your success, and the success of your clients. After completion of this course, you will receive an EEM Partner designation, and you will be prepared to facilitate EEMs from start to finish and confidently add this underutilized product to your range of services. **There is a 20 person maximum limit for this course*

Pre-registration is required through www.eemtraining.com/resnet-conference-registration

Cost: \$549 Early Bird through Feb. 10, \$599 after Feb. 10

Presenter: Jason Payne, EEM Training LLC

Comprehensive Energy Auditor Training

Saturday 2/25 & Sunday 2/26 8 AM-5 PM

This 2 day course (8 a.m. to 5 p.m.) and is based on the Texas Home Energy Audit Standard, developed by Texas HERO. It is designed for current HERS Raters who are interested in pursuing the existing homes market. Current certification as a HERS Rater is required prior to attending this course. This course includes training on how to prioritize improvement recommendations based upon findings, software analysis, writing scopes of work and combustion safety testing. This course includes both lecture and field work.

This course is Texas Home Energy Audit Standard specific. The test is a 2-hour written exam, multiple, choice, open resource (standard and course material). The students will jointly perform an audit on an example home, observing the performance combustion safety tests being conducted. Students will then perform software analysis and produce scopes of work for the home as well.

Pre-registration is required through <http://www.txhero.org/> (Available after December 1st)

Cost: \$695 - with a \$100 discount to those who attend the RESNET Conference or join Texas HERO

Presenter: CT Loyd, Texas HERO

LEED for Homes Green Rater Training- 2 day Workshop

Saturday 2/25 & Sunday 2/26 8 AM-5 PM

The LEED for Homes program has a total of 45,000 registered residential units and over 12,000 certified units. Over 14,000 units have been registered in 2011 alone. As of January 1, 2011, all registered LEED for Homes projects must have a LEED for Homes Green Rater on the verification team and HERS Raters are ideal professionals to conduct the required performance testing and verify the home's green measures. LEED for Homes Green Raters must meet professional eligibility qualifications, participate in the Green Rater Training, and pass an assessment before verifying LEED for Homes projects. Once in the field, they complete a mentorship before earning their certificate. The result: A strong credible program supported by arguably the most qualified, competent and successful green raters in the industry. Join us for the 2 day workshop portion of the training. Upon (and included) in registration, you will receive access to 5 online learning modules that must be completed before arriving to the workshop portion.

Pre-registration is required- www.usgbc.org/homes401 (Available at the end of November)

Cost: USGBC Member-\$660, Non-members-\$795

Presenters: USGBC Faculty

2009 IECC International Energy Conservation Code Fundamentals

Saturday 2/25 & Sunday 2/26 8 AM-5 PM

Official ICC International Code Council Curriculum developed by the ICC Training and Education Department. Two Day class in which attendees will learn how to apply the 2009 International Energy Conservation Code and how to increase and ensure that energy efficiency is built in during the construction of new buildings and during alterations to existing buildings. Residential, Commercial, and Mixed Use buildings will all be covered. The course will provide an overview of the critical concepts included in the 2009 IECC. By learning and understanding these concepts, attendees will be provided the knowledge base needed for the correct use of the code in the design, plan review, inspection and analysis of projects. Also, the course will provide a clear understanding of the requirements identified in the basic code provisions, tables, and categorizations within the 2009 IECC. Participants will also be able to apply the code in clear-cut situations and to build their understanding of the intent of the code when asked to make code compliance decisions. The American Recovery and Reinvestment Act of 2009 will be discussed.

In this course, you will learn to:

- Locate general topics in the 2009 IECC
- Locate applicable tables in the 2009 IECC for specific situations
- Apply code requirements to real-world situations
- Explain the intent behind code requirements
- Identify borderline scenarios as compliant or noncompliant
- Identify essential code components for designing energy-efficient building thermal envelopes
- Understand energy-efficient mechanical design principals

- Design electrical power and lighting systems that meet code requirements

Attendees will receive a 2009 IECC Code Book and 2009 IECC Workbook for use during and after the course.

Pre-registration is required through <http://2009ieccaustin.eventbrite.com/>

Cost: \$703 with an Early Bird Price of \$575 until February 4, 2012

Presenter: Terry A. Collins, Abaci Energy Efficiency

Train the Trainer on Principals for Educating Adults

Saturday 2/25 & Sunday 2/26 9 AM-5 PM

Using evidence-based guidelines developed through years of experience and research, this session covers the psychological processes of learning, the learning cycle, near and far knowledge transfer, the different views of learning, different types of training, how to select trainers, using an integrated teaching process, how to structure learning events based on student abilities, principles of instruction, how to analyze a job in order to teach it, how to design a learning experience to maximize knowledge gain, causes of failure, how to manage working memory in adult learners, how to build expertise in a short period of time, and how to design and deliver dynamic presentations.

Pre-registration is required through http://www.ibsadvisorsllc.com/education/train_trainer.php

Cost: \$800

Presenter(s): Brett Dillon, IBS Advisors and Kristof Irwin, Positive Energy

Thermal Imaging (Offsite Training Opportunity at Courtyard Marriott Austin)

Saturday 2/25 & Sunday 2/26

Are you an Energy Auditor or Home Inspector looking to expand into the Thermal Imaging Business? Join United Infrared for a two day class which will help you incorporate Thermal Imaging into your business and help you know how to inspect the building envelope of a home via infrared technology. As part of the course, we will be doing hands on training at a home and performing blower door testing as part of our survey. Join us Feb 25-26th in Austin, TX.

To see more about the course offering, please view: www.energyscanir.com/training

As a special offering to RESNET attendees, United Infrared would like to offer 10% off our EnergyScanIR training class AND a free 6 month membership with any registration of our upcoming class to be held in Austin, TX (This is a \$400 savings).

Pre-registration is required through www.unitedinfrared.com/store, select EnergyScanIR module and at checkout screen use coupon code: resnet2012

Cost: \$1350

One Day Course

Energy Smart Contractor Training

Saturday February 25th 8 AM-5 PM

Topics Covered Include:

- Basics of heat transfer concepts and air distribution leakage
- The energy consequences of common construction practices
- Basic Combustion Appliance concerns
- Basics of envelope and duct leakage, air sealing and insulation
- Understanding of thermal boundaries
- The House as a System - Basics of measure interaction, expected life and bundling for optimal performance
- RESNET retrofit work scope requirements and recommendations

Benefits of the Course At the end of the course, students will be ready for the RESNET Qualified Contractors Exam and be qualified to include optimal home performance measures in their existing contracting business

Pre-registration is required through <http://www.greentrainingusa.com/resnet-conference.html>

Cost: \$200

Presenter: Dallas Jones, Green Training USA

Half Day Short Courses

Spray Polyurethane Foam Alliance Inspector Training

Sunday February 26th - 8 AM-Noon

HERS Raters, in good standing with RESNET, have been offered the opportunity to become Spray Polyurethane Foam Alliance (SPFA) Accredited Independent Building Envelope Inspectors. SPFA is waiving the enrollment fee and training class cost for this program because of the relationship which SPFA and RESNET have forged and made official in a recent MOU (Method of Understanding). SPFA is looking for individuals with inspection, energy, and insulation knowledge to shorten the learning curve on performing SPF inspections and help us meet SPF industry needs. The role of an Accredited SPFA Independent BE Inspector is to check the work of SPF Applicators to ensure that they do work which meets both Project Specifications and Manufacturer's Installation Requirements. Three field inspections must be done for each applicator looking to receive SPFA Accreditation and there is currently a shortage of inspectors. To qualify, a HERS Rater must also attend the course and pass the test for Fundamentals of Spray Polyurethane Foam for the Independent Building Envelope Inspector. This course is complimentary to HERS Raters, and RESNET membership status will be verified. Enrollment forms will be available for each person who takes the course. In addition, HERS Raters would need to submit three references of builders for whom they have conducted inspections as well as a resume or job history to complete all SPFA requirements.

Pre-registration is required through the [RESNET Conference registration system](#)

Presenter: Roger Morrison, Deer Ridge Consulting, Inc

WaterSense Provider Training

Sunday February 26th - 8 AM-Noon

WaterSense, a voluntary partnership program sponsored by the U.S. Environmental Protection Agency, has recently released its Single-Family New Home Specification. To earn the WaterSense label, builders must have their homes inspected and certified to meet EPA's specification criteria by an EPA licensed certification provider. EPA is teaming up with RESNET to provide WaterSense labeled new home inspection and certification training for potential licensed certification providers. This training is a requirement for QA personnel from organizations interested in certifying new homes for the WaterSense program. Have your QA personnel attend this training to learn about the WaterSense new homes program, including the inspection and certification process; satisfy the training requirement, which is the first step in EPA's approval and licensing process; and find out how simple it is for your organization to add WaterSense new home certification services to your portfolio. *Please note this session is only for individuals that want to become WaterSense Providers.

Pre-registration is required- email matt@greenzonehome.com for information

Cost: \$175

Presenter: Matt Stevens, Green Zone Homes

REM/Rate Training

Sunday February 26th - 1-5 PM

This session will teach basic and advanced features of the REM/Rate software. Data input, reporting, analysis, exporting, importing as well as little known features will be covered.

Pre-registration is required through the [RESNET Conference Registration System](#)

Presenters: Rob Salcido and Brian Christensen, Architectural Energy Corporation

HERS 101

Sunday February 26th - 1-5 PM

Many individuals attend the RESNET Conference to determine whether they will enter the rating industry. Many of the sessions offered in past conferences are a bit too high in jargon and assumed knowledge for persons just entering the rating industry. This session will introduce a beginner to the rating industry and provide a context for the other more advanced sessions to be offered at the conference. *Pre-registration is required

Pre-registration is required through the [RESNET Conference Registration System](#)

Presenter: Abe Kruger, Kruger Sustainability Group