

Course Syllabus

RESNET HERS Rater Field Training



INFINITE EXPERTISE.

CONTENTS

Part 1: Course Information	1
Instructors	1
Prerequisites	1
Course Description	1
Textbooks and Course Materials	1
Course Requirements	2
Course Structure.....	2
Part 2: Course Objectives	3
Objectives	3
Part 3: Completion of Course	3
Part 4: Conclusion	3

PART 1: COURSE INFORMATION

Instructors

Instructor(s): EnergyLogic Staff or a Qualified Proxy Trainer

Location: [Logical Living Center](#) in Berthoud, CO (different sites as scheduled)

Duration: 3 Days



Class Hours: 8:00am – 5:30pm daily

Training Logistics Questions: meagan.foster@nrglogic.com, matt.thornberry@nrglogic.com

Material Questions: scott@nrglogic.com

Prerequisites

In order to join EnergyLogic (or a proxy trainer) for the HERS Rater Field Training, you must have successfully passed one of the following:

-  EnergyLogic HERS Rater Online Training, **OR**
-  Equivalent Training with a RESNET Accredited Training Provider *

NOTE: We also recommend that you attempt the RESNET National Rater Exam prior to the field training.

**These prerequisites may require additional training from EnergyLogic at your expense. EnergyLogic will evaluate your prerequisites on a case-by-case basis.*

Course Description

The field portion of the HERS Rater Training is 3 days of field training designed to introduce the HERS Rater to inspection processes and diagnostic testing. We recommend taking the national RESNET HERS Rater exam prior to your field training. Contact us at meagan.foster@nrglogic.com to register to take the exam through EnergyLogic.









During the field training, we will complete 2 practice ratings according to the RESNET training standard. Practice ratings will be performed on both an existing and new home. In addition, students will have an opportunity to complete a pre-drywall inspection.

This is an instructor-facilitated course, and students will have one-on-one instruction on the testing equipment. Much of the field work will be done in a group setting where peer-to-peer interaction is used to complete the practice ratings.

The course will provide each student ample time to have hands-on experience with the diagnostic equipment. By the end of the course, each student will receive equipment certification for the Blower Door system and Duct Blaster system. This will be a one-on-one evaluation with an instructor to measure the students' competence with the testing equipment.

Textbooks and Course Materials

Recommended Materials/Resources:

-  Computer (required – if you will not be bringing a laptop, please [contact us](#) to rent one)
-  Clipboard
-  Calculator
-  Pencil
-  Tape Measure AND Architect Scale or Ruler
-  Hard Hat, Respirator, Safety Vest, Goggles
-  Sturdy Shoes
-  Shoe Cover(s)

Recommended Texts:

- 🔍 Energy Auditor Field Guide: John Krigger & Chris Dorsi. Find it [here](#)
- 🔍 Computer Builder's Guide to...(various climates): Joseph Lstiburek. Find it [here](#)
- 🔍 Insulate and Weatherize: Bruce Harley. Find it [here](#)

Course Requirements

Students are required to attend every class for the entire scheduled time. Students will complete 2 practice ratings, and be evaluated in one-on-one sessions with the course instructor for competency using the diagnostic equipment. To successfully pass the course, students must receive the certification on the equipment. It is important that you are a full participant. Please put aside work for these days.

Course Structure

The course will be delivered over 3 days. Please make sure to review the schedule posted on the EnergyLogic Academy learning management system course page for details on dates and times. **NOTE:** The instructor may alter the course schedule at his or her discretion. Alterations are generally addressed during the class overview on the morning of the first day, so it is important to be on time.

Day 1: Overview and Labs

- 🔍 Class Overview
- 🔍 Principles of Diagnostic Testing
- 🔍 Blower Door Lab
- 🔍 Duct Blaster Lab
- 🔍 Pressure Diagnostic Lab

The first day of training will be dedicated to labs. We will do a brief classroom presentation on the principles of diagnostic testing, which will be followed by a blower door lab where the instructor will demonstrate proper use of the blower door system. Next comes a pressure diagnostic lab followed by a duct blaster lab. In each of the lab sessions, students will get an opportunity to have hands-on time with the equipment.

Day 2: Practice Rating #1 and Blower Door

- 🔍 Practice Rating #1
- 🔍 Practice with the Blower Door
- 🔍 Take Offs & REM Input
- 🔍 Blower Door Certification Instruction

The second day will be our first practice rating, which will be completed on an existing home. Students will gather data in groups during the morning session. While students are gathering data, the instructor will have one-on-one coaching sessions with each participant. During this one-on-one time, students will set up and run the blower door and perform pressure diagnostics. The student will then interpret the data provided by the diagnostic test with the instructor. In the afternoon, the group will work together to perform take-offs from their field sketches and create a REM/Rate file for the house. During this group session, each participant will be tested and certified using the blower door system.

Day 3: Practice Rating #2 and Duct Blaster

- 🔍 Practice Rating #2
- 🔍 Practice with the Duct Blaster
- 🔍 Take Offs & REM Input
- 🔍 Duct Blaster Certification Instruction

During the third day, we will complete a 2nd practice rating on a new home. In the morning, we will perform a pre-drywall inspection. This will be followed by an identical structure to day 2, except the equipment coaching and certification will be for the duct blaster system.







PART 2: COURSE OBJECTIVES

The field portion of the HERS Rater Training is designed to give participants in-depth training on the processes of completing a home energy rating, as well as the diagnostic equipment that is required to complete the rating.

Objectives

1. To develop a full understanding of measuring and inspecting a home for home energy ratings
2. To develop competency using the manometer
3. To develop competency using the blower door system
4. To develop competency using the duct blaster system
5. To complete 2 practice ratings

You will meet the objectives listed above by completing the following activities in this course:

-  Review the blower door, duct blaster, and pressure diagnostic modules prior to attending class
-  Participate fully in the labs
-  Engage in the one-on-one coaching with the instructors
-  Assume a leadership role when necessary; help other students when you have knowledge they don't
-  Approach the course with a desire to learn
-  Complete the practice ratings

PART 3: COMPLETION OF COURSE

Successful completion of the field training portion of the HERS Rater Training includes two parts. First, you must pass the equipment certification process with an instructor. This will be a one-on-one session to demonstrate your proficiency with the equipment.

Second, you must submit your practice rating REMRate file to your instructor. The instructor will evaluate each rating for accuracy and provide feedback on improvements. In some cases, the instructor may ask for revisions to be submitted prior to issuing a final grade. Once the practice ratings meet the satisfaction of the instructor, you will have met this requirement.

PART 4: CONCLUSION

We hope that the information covered here will help ensure your success in this course and beyond! Now that you have read through the syllabus, you probably understand that student learning in the EnergyLogic Academy and the HERS Rater Field Training is anything but passive – your active participation and consistent effort will make this a successful learning experience for you as well as your fellow students (and future colleagues!).

Thank you for joining us, we look forward to working with you for the duration of the field training!