

BPI CERTIFICATION TRAINING FOR THE HOME ENERGY CONSERVATION TECHNICIAN

OVERVIEW

This seven day course is provided to offer technicians the knowledge they need to perform a **whole house energy audit**. Course curriculum prepares participants for the **Building Performance Institute** (BPI) written and field exams. We will study proper methodology in finding air leaks, identifying energy thieves, and will clearly illustrate how such improvements will save energy. The use of a blower will be thoroughly explained and each participant will go into the field and perform testing on a building of their choosing.

Understanding the relationship between all the systems in a home and their effect on the occupant's health, safety, comfort, energy efficiency and building durability is more important now than ever before. With the high cost of energy, it is now essential to today's consumer to find an energy *professional with the ability to determine the root causes of a problem and provide solutions that work!*

Learn the **fundamentals of home performance** and the importance of the combustion equipment in the home. The curriculum we have developed is **heavily detailed to the heating appliance** and how it interacts with the building. This includes an in-depth study of the building envelope and how to identify energy saving upgrades in all areas of the building.

This **intensive** and **comprehensive** course is a blend of classroom training and hands-on field training. The first week of training will consist of classroom study and discussion at our facility (MTEC) in Brunswick. The following week, participants will devote (2) days to applying what they've learned in the classroom out in the field and take the field exam.

COURSE OUTLINE

Day (1)

The House as a System, Building Science Concepts, Driving Forces of Air Leakage, Occupant Interview & House Inspection, Site Design and Inspection, Drainage, Solar Gains, Vegetation Advantages, Moisture Control

Day (2)

Building Air Flow & Indoor Air Quality, Introduction to the Blower Door, Blower Door Testing, Identifying and Controlling Air Leaks, Air Sealing Attics, Air Sealing Walls, Air Sealing Basements, Air Sealing Duct Work

Day (3)

Building Zone Pressures, Zone Pressure Diagnostics, Ventilation, Moisture Basics, Relative Humidity, Psychometrics

Day (4)

Thermal & Pressure Boundaries, R Values, U Values, Window Savings, Heating Systems, Vent Systems, Distribution Systems, Proper Heating System Design, What is the Load?

Day (5)

Code Issues, Efficiency Testing, Targeting Health & Safety, Carbon Monoxide, Electrical Consumption & Base Load, Written Exam

Day (6)

On-Site Field Training

Day (7)

Field Examination



Instructed by:
Roger Mitchell, *BPI Certified*
as a *Building Analyst*

REGISTRATION FORM

MEMA Technical Education Center

BPI CERTIFICATION TRAINING FOR HOME ENERGY CONSERVATION TECHNICIANS

March 29th – April 9th, 2010

8:30AM - 4:00PM

Maine Energy Marketers Association
25 Greenwood Road Brunswick, Maine 04011
(207) 729-5298 (207) 721-9227 – Fax
www.MaineEnergyMarketers.com



TUITION (Includes all Course Materials)

Total Amount Includes a \$50 Non-Refundable Registration Fee (*Required To Register*)

\$1,770.00 Member / \$1,870.00 Non-Member

Registration/ Refund Policy

*MEMA Technical Education Center has a maximum and a minimum number of students it will serve per class. If the minimum is not achieved, all funds paid will be refunded. If the maximum number is achieved, no further registrants will be accepted. All registrations are on a first-come first-serve basis.

*Payment, in full, **must be received** by MEMA (5) business days prior to the first day of class for the registrant to be admitted to the class.

*All funds paid, except the \$50 Registration Fee, can be refunded if such is requested **no later than (5) business days PRIOR** to the first day of the course. Requests for refunds made within (5) business days of the first day of the course **WILL NOT BE HONORED.**

*Transfers requested prior to (5) business days of the first day of a course will be permitted with no penalty. If a transfer is requested within (5) business days of the first day of class, a **\$100 transfer fee** will be charged.

TO REGISTER: PROVIDE INFORMATION BELOW & REMIT WITH PAYMENT

If you are not being sponsored by a company please provide your personal information

Sponsoring Company (*if applicable*) _____

Company Contact Name (*if applicable*) _____

Mailing Address _____

City _____ State _____ Zip _____

Telephone _____ Email _____

BPI Certification Training # of Students _____ x \$1,770.00/\$1,870.00 _____

Student Names _____

GRAND TOTAL: \$ _____

PAYMENT INFORMATION

Enclosed Please Find: ___ Check ___ Money Order ___ Credit Card (Visa, MasterCard)

Visa/MasterCard # ___ - ___ - ___ - ___ Expiration Date ___ / ___ / ___

Signature Required:

I have read and acknowledge the Registration/Refund Policy as stated:

Signed by: _____ Date: _____

PLEASE REMIT TO MEMA P.O. BOX 249, Brunswick, Maine 04011-0249