

Certified Passive House Tradesperson

Practical, hands-on training in a state of the art facility, delivered by industry leading practitioners

This five-day course provides the knowledge and practical skills building contractors need to build to the world's most efficient energy standard. This course focuses on building enclosure optimization, and provides a foundation in passive house principles, while stressing the importance of construction fundamentals and proper sequencing. Participants will learn building techniques that minimize thermal bridging, maximize airtightness, while using a variety of materials. An introduction to common passive house mechanical systems will be provided, including heat and energy recovery ventilators, heat pumps, and solar thermal. Three of the five course days take place in a classroom, while two hands-on days are held in AEA's North American Passive House Tradesperson Training Facility.



Upon Completion Of This Course Students Will Be Able To:

- Define the Passive House Standard
- Correctly locate and install airtightness and insulation layers in various construction types
- Correctly install windows while maintaining airtightness, and thermal bridge free construction
- Conduct blower door testing, and air leakage diagnostics
- Identify and accurately interpret data from the Passive House Planning Package (PHPP)

Who Should Take This Course:

- Building contractors who are new to Passive House construction
- Quality Control Inspectors who are managing Passive House construction projects



Course Fees: Regular Fee: \$1,350

PHI Exam Fees: \$350 Written Exam

Pre-registration & payment required.

Register online at aea.us.org/calendar.html

2015 NYSEDA Discounted Fees:

\$540.00

Veterans: Free

(See NYSEDA requirements on reverse.)

Continuing Education Units: BPI: 17.5 AIA: 35 LU

Register online at aea.us.org/calendar.html.



NYSERDA Discount Eligibility: Individuals living in the New York System Benefits Charge (SBC) service territory or working for companies participating in SBC or EEPS programs are eligible for reduced tuition rates, thanks to NYSERDA support for this training. In addition, AEA will waive the student's share of the tuition fee for Veterans eligible for NYSERDA discounts who document their service.

If you are not sure whether you live in or work for a company participating in SBC or EEPS programs, or wish to provide documentation of military service, please contact our Training Department at (718) 292-6733 x8023 or email us at aeatraininginfo@aea.us.org.

Student Assessment: Students will be assessed for learning comprehension daily through class exercises, multiple-choice written tests, practical skills observations, and self-assessment tools. In order to receive a certificate of success-

Certification Testing: Students are provided with additional resources to prepare for PHI Certification as a Certified Passive House Tradesperson. At the end of the training, registrants have the option to take the PHI Certified Passive House Tradesperson exam. AEA will provide testing dates and locations at time of registration.

Health and Safety: Students are required to wear construction-appropriate footwear and clothing. Appropriate personal protective equipment (PPE) will be provided by the Training Center based on training activities. This course involves the use of heavy diagnostic equipment, entry into confined spaces, ladder use, and other physical activity. If you have a condition might prevent you from full participation, contact AEA at the number below for a confidential discussion on how we can best accommodate your needs and ensure your health and safety.

The **Association for Energy Affordability, Inc.** is dedicated to achieving energy efficiency in new and existing buildings in order to foster and maintain affordable and healthy housing and communities, especially those of low-income.

Training at AEA: We provide in-person training at our learning facilities in New York City; Emeryville, CA; and Chicago. Two state-of-the-art facilities in the Bronx (NYC) provide students with a wide range of opportunities for classroom and hands-on training. AEA's Energy Management Training Center is also a working lab for innovations and developments in sustainable energy resources and renewable technology. Using our high-definition distance learning network, many AEA courses are available in multiple AEA locations and through our Weatherization Training Center partners, enabling students to learn from and interact in real time with leading national experts in areas of their specialization.

AEA educators and trainers are recognized as some of the very best in the field, with experience in energy auditing and design, work scope and specification development, retro-commissioning, project management, quality assurance, managing and developing programs, and related subjects. AEA trainers are skilled in communicating effectively with adult learners at all levels.

As one of the nation's first BPI affiliates and a National Weatherization Training Center funded the US Department of Energy, AEA has been instrumental in developing standards, curriculum and best practices that underlie the knowledge, skills and abilities workers require to achieve energy efficiency goals in buildings.



TEST CENTER

AEA has been a BPI affiliate since 1998, and is an approved BPI Test Center and Continuing Education Provider.

Learn about our course offerings: www.aea.us.org/education.html | **Contact** our training department: 718.292.6733 x 8023

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