

Home Performance for HVAC Professionals

With Optional BPI Building Analyst Certification Exams on Day 5

A home's structure and HVAC system are integral parts of how a house performs. NCI's approach is to teach industry professionals the interactions between all these systems; how they affect each other and their input on comfort, safety and energy efficiency. This training program will teach you how to test both the home and the HVAC system which is key to achieving the highest level of overall performance. Our HomeMaxx[™] and ComfortMaxx[™] procedures will equip you to perform whole-home assessments that go beyond the traditional energy audit. You'll learn how to diagnose major performance killers at their root with the Total System approach, and present your recommendations for optimum efficiency and comfort.

If you are a Performance-Based Contractor[™], you already have an advantage over the industry when it comes to technical excellence. Now NCI is giving you the tools and resources to outperform competition and sustain your business in this ever-evolving movement.

About Certification

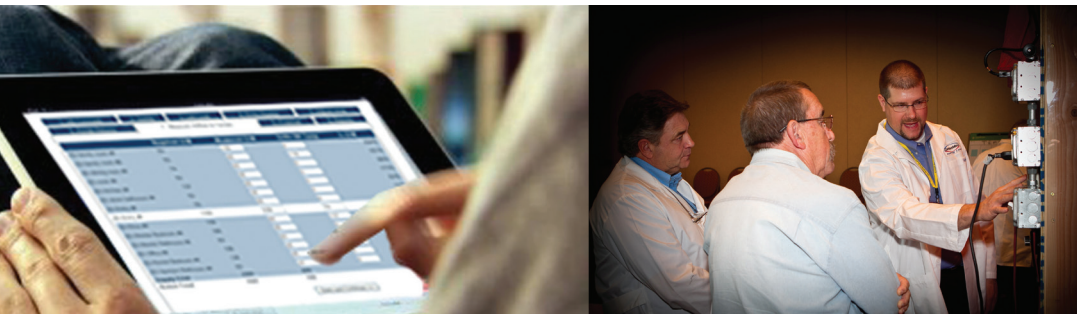
BPI certifications are nationally recognized by the U.S. EPA, Energy Star, and many state/local government and utility companies. There's a growing requirement across the U.S. for BPI certification to participate in state, federal and utility rebate programs.



TEST CENTER

NCI's Home Performance for HVAC Professionals training program will prepare you to take BPI certification exams. Day 5 typically includes optional written and hands-on BPI Building Analyst certification exams. Call NCI today for more details at 800-633-7058.

Attendees must be NCI Certified in Air Diagnostics & CO/Combustion in order to participate in this program.



Why Attend?

This 5-day training program breaks the mold in terms of the whole-house approach. Upon completion of this course, you will be able to provide your services in new markets and become the expert in efficiency and comfort to your customers.

- Grow your business potential by taking advantage of opportunities in your marketplace
- Differentiate your company and remain relevant as the go-to resource for consumers
- Fully participate in rebate programs and comply with building codes
- Learn how to test both the home and the HVAC system together to achieve optimum performance
- Receive **2 full days** of hands-on training at the test home. Learn how to use instruments like a blower door and thermal imager live in this workshop portion of the training.

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Home Performance for HVAC Professionals

What You Will Learn

HVAC System Performance

ComfortMaxx™ QuickCheck™

Perform static pressure and temperature diagnostics that will improve your ability to identify the unseen causes of poor HVAC system efficiency and performance.

ComfortMaxx™ Full Test-In*

Take essential air property tests, including external static pressure, pressure drops, airflow traverses and duct loss. Using diagnostic instruments like a flowhood and multimeter, you will measure the HVAC system performance accurately and capture airflow readings. These readings are then plugged into the ComfortMaxx™ software for a detailed assessment of repairs needed.

ComfortMaxx™ Full Test-Out*

With the proper repairs now in place, you will review the previous test-in data to confirm the degree of improvement the system has undergone. HVAC systems running at 90% or above effective efficiency can be a certified with the ComfortMaxx™ seal of approval.

Home Performance

HomeMaxx™ QuickCheck™

This initial assessment of the home includes data collected from your ComfortMaxx™ QuickCheck™ and gives the guidelines for visual inspection. The process covers key areas such as insulation, common building defects, window type, moisture levels, lighting and appliance age as well as CO Safety measures.

HomeMaxx™ Full Test-In*

Using instruments like a blower door, thermal imager, and micromanometer you will accurately measure leakage and pressurization levels in the home. In addition, electrical and vampire load data is collected. ComfortMaxx™ test-in data will also be a factor to give you a complete scope of work.

HomeMaxx™ Full Test-Out*

The home is now retrofitted, and you will review the previous test-in data to compare the results of the improvements made. In addition, you may confirm that they are in compliance with local participating programs. This final report reflects the improvements in performance of the HVAC System and the Home.

*Only air balancing and CO certified contractors are qualified to perform these steps. Insulators will need additional training or a performance-based contractor partner.

Our 5-day Home Performance program was designed for HVAC contractors and other industry professionals to address the issues encountered in the field on a daily basis. NCI's procedures and testing methods will encompass the HVAC system and the whole-home in these key areas:

- HVAC Performance
- Window & Door
- CO Safety
- Appliances & Plug Load
- Lighting
- Building Air Leakage
- Renewable Power
- Insulation Application
- Moisture Control

All of these areas are tested on how they are working together as a Total System. This Total System approach is the true differentiator from other programs available in the industry. You will find the verification of the system as a whole is now complete with the NCI ComfortMaxx™ and HomeMaxx™ procedures and software. Finally there's a way for industry professionals to understand how these systems affect each other and make the recommendations and repairs necessary to achieve the highest level of performance.

Who is National Comfort Institute (NCI)?

National Comfort Institute (NCI), the HVAC industry's leader in Performance-Based Contracting™, is an international membership and training organization that provides heating, air conditioning, plumbing and electrical contractors with services and tools to help them improve their businesses.

NCI coined the phrase "Performance-Based Contracting™", a unique approach to managing a contracting business through accountability and measurable results. During the past two decades, NCI has trained and certified more than 18,000 HVAC industry professionals. For more information about NCI, please call 800-633-7058 or visit www.nationalcomfortinstitute.com.