



Category: Evaluation

Lesson: Blower Door Theory

Blower door tests are essential to building-energy evaluations. This lesson covers the science behind blower door tests and how we use test results to evaluate building air tightness, principles of building air tightness testing, why air tightness tests are important and how to interpret the results of your blower door tests. This is a 1.7 hour session.

(BPI approved for 0.85 CEUs)

Lesson: Blower Door Test Preparation

Building-energy specialists need to set the building envelope up correctly to conduct accurate blower door tests. This lesson outlines how to configure the building to energy-industry standards. You'll learn how windows, doors, ventilation equipment, and combustion appliances configurations affect measurement accuracy and how to avoid common set-up problems. This is a 1.0 hour session.

(BPI approved for 0.50 CEUs)

Lesson: Blower Door Testing

Building-energy specialists can set up blower door equipment in a number of incorrect ways. This lesson explains how to set up the blower door test equipment the right way, how to conduct the blower door test from start to finish, how to avoid common equipment set-up errors and how to interpret blower-door-test results and compare them to industry air tightness standards. This is a 2.9 hour session.

(BPI approved for 1.45 CEUs)

Lesson: Blower Door Testing Manometers

Building-energy specialists use manometers to measure building air-pressures and blower-door airflow. Your measurement's accuracy depends how you set up and use the manometer. This lesson covers the most used manometer models and how they measure pressure differences during the blower door test, basic manometer features and functions, how to set up manometers for blower door tests and common problems that cause inaccurate manometer measurements. This is a 2.3 hour session.

(BPI approved for 1.15 CEUs)

Lesson: Energy Auditing

An energy audit is your client's roadmap to improve an existing building's energy efficiency. Without an energy audit, your clients can't be confident that improvements will reduce energy use or be cost-effective. This lesson covers the entire auditing process, from initial customer interview to post-evaluation analysis, how to do a customer-interview, utility bill analysis techniques, visual inspection methods, diagnostic test procedures and how to recognize health hazards and building durability issues. This is a 1.7 hour session.

(BPI approved for 0.85 CEUs)



BPI 5 CEU Bundle



TEST CENTER

Lesson: Window Economics

Windows are a high-cost building component, and they have a major impact on energy-efficiency and comfort. Building-energy specialists must be able to select site-appropriate, cost-effective windows. You'll learn the following in this lesson: the basics of energy efficiency economics, how to apply those efficiency economics to windows, the difference between total and incremental costs, the importance of measure life, how to use simple payback and other economic metrics to help make decisions about windows and how to evaluate window economics based on site-specific information. This is a 1.5 hour session.

(BPI approved for 0.75 CEUs)