

BPI BUILDING ANALYST 5-DAY TRAINING AGENDA

- Day 1 8:00 – 4:30 – Classroom
- Meet and greet Home Performance team
 - Introduction to Home Performance and BPI
 - Fundamentals of Building Science
 - Health and Safety
 - Energy concepts
 - BPI standards
- Day 2 8:00 -4:30 – Classroom
- Insulation
 - Framing types
 - Thermal boundaries
 - Pressure diagnostics
 - Client interviewing
- Day 3 8:00 – 4:30 Classroom
- Building assessment calculations
 - Energy usage calculations
 - Building airflow standards (BAS)
 - Heat loads
 - Combustion safety
 - Gas leak detection
 - Pressure differentials
- Day 4 7:30 – 4:30 Field

- Visual assessments, safety and common sense
- Square footage, windows, ventilation, penetrations
- BAS calculation, attic ventilation, crawl ventilation
- Air handler effect, system balance
- Blower door and diagnostic tools
- Combustion zone identification
- Comprehensive assessments
- Data intake
- Heating systems and DHW
- Combustion Appliance Zones (CAZ) and combustion safety
 - In-depth CAZ testing
 - Worst Case Scenario
 - Spill / Draft / CO
 - Equipment operation
- Pressure differentials
- Scope of Work

Day 5 7:30 – 1:00 Classroom

- Cost effectiveness
- CAZ review
- Review

2:00 – 4:00 Building Analyst 1 Written Exam

Students need to bring a laptop for online testing

Student Equipment List

1. Notebook
2. Pen/pencil
3. Calculator
4. Clipboard
5. Graph paper (recommended)
6. Manometer (recommended)
7. Laptop (Day 5 only)