PHIUS+ Rater Training

Day 1 (8:30am – 5:00pm):
Passive House Principles, PHIUS+ and QAQC: Design verification and rating certification process

Day 2 (8:00am – 3:00pm):
In field testing and hands-on demonstration, exam

Course Requirements:

1. Your own laptop with MS Excel 2000 and HERS Rating software
2. Basic knowledge of MS-Excel

Reading recommendations:

Day 1

Morning Session Day I – Passive House Principles

8.30am - 9:00 am
- Welcome and Introduction to the program

9:00am - noon – Introduction to Passive House
- Passive House history
- Passive House standard definition
- Passive House, resource depletion and climate change
- Overview of Passive House design principles – building envelope
- Overview of Passive House design principles – mechanical systems
- North American Examples
- European Examples
- Measured Performance of Passive Houses
- PHIUS certification/accreditation programs

Noon – 1:00pm -- Lunch break (on your own)

Afternoon Session Day I – QAQC for PHIUS+ Certification

1:00 pm-5:00 pm
- Introduction to the PHIUS+ certification process
- Why quality assurance and quality control are critical to the success of the project
- Overview of the PHIUS+ checklist –
  - Building envelope: testing and inspection requirements
  - HVAC: inspections and testing requirements
  - DHW: inspections and testing requirements
  - Lighting and appliances
  - Renewables (solar thermal and PV)
  - Other special systems and considerations
Day 2: In-field testing + hands-on demonstration, exam:

8:00 am – 9:00 am
- Meet at Sheraton Atlanta Hotel (165 Courtland St. SE, Atlanta, GA 30303)
- Travel to “Proud Green Home” (10556 Serenbe Lane, Palmetto, GA 30268)

9:00 am – noon  Hands-on demonstrations
- Multi-point, computer-controlled blower door testing
- Ventilation system airflow testing/balancing
- Heating/cooling airflow testing/balancing
- Multiple-fan blower door testing for large buildings
- Infrared imaging

noon – 2:00 pm  Lunch break (on your own) and return to Sheraton Atlanta Hotel

2:00 pm-3:00 pm  Exam (room location TBD) – 30 questions, multiple choice