



RESNET Green Rater Training Agenda 2009 RESNET Building Performance Conference

**Saturday, February 14, 2009
8:30 AM – 5:00 PM**

Module	Duration of Module	
1. Welcome & Introduction 1.1 Welcome / Purpose of Course / Goals 1.2 Review of Agenda 1.3 Introductions	15	
2. Why Green Home Raters Are Needed 2.1 Preliminary Rating / Design Role 2.2 Program/Performance Tier 2.3 Quality Assurance 2.4 Value Offered by Green Homes	30	
3. Building Science Basics 3.1 Heat Flow 3.2 Air Flow 3.3 Moisture (Vapor form) 3.4 Water 3.5 Materials 3.6 Land / Siting 3.7 New - Interactions (e.g., heat and mass transfer)	60	
AM Break (10:15-10:30)	15	
4. Durability Planning 4.1 New - How buildings can fail 4.2 Purpose of durability planning 4.3 Tasks required to create a durability plan 4.4 Example/Activity	90	
Lunch (12:00 – 1:00)	60	
5. Site Planning 5.1 Land Use 5.2 Infrastructure 5.3 Integrated Pest Management (IPM) 5.4 New – Solar orientation, and natural energy flows 5.5 Example/Activity	60	
6. Water 6.1 Outdoor (irrigation) 6.2 Surface (stormwater) 6.3 Community Recycled Systems 6.4 Indoor fittings and fixtures	45	
PM Break (2:30 – 2:45)	15	
6.5 Examples/Calculations/Activity		

7. Energy	120	
7.1 Optimizing Energy Performance		
7.2 Insulation		
7.3 Thermal Envelope (including passive solar and natural energy flows)		
7.4 Windows and Doors		
7.5 Heating and Cooling Distribution/Equipment		
7.6 Water Heating		
7.7 Lighting (Including daylighting)		
7.8 Appliances		
7.9 Refrigerant Management		
7.10 Renewable Electric Generation		
7.11 Examples/Calculations/Activity		
Review of the day / Q&A	15	
Adjourn: 5:00 PM		

**Sunday, February 15, 2009
8:30 AM – 4:30 PM**

Module	Duration of Module	
Intro to the Day / Q&A	15	
8. Materials & Resources	75	
8.1 Local Sourcing		
8.2 Efficient Framing Techniques		
8.3 Environmental Product Choices		
8.4 Waste Management		
8.5 Examples/Calculations/Activity		
AM Break (10:00 – 10:15)		15
9. Indoor Air Quality	120	
9.1 Moisture Control		
9.2 Combustion Venting		
9.3 Outdoor Air Ventilation		
9.4 Local Exhaust		
9.5 Comfort - Heating & Cooling Distribution Systems		
9.6 Air Filtering		
9.7 Contaminants/Radon/Garage pollutants		
9.8 Examples/Calculations/Activity		
Lunch (12:15 – 1:15)	60	
10. Other GHB Programs	60	
10.1 National Programs		
10.2 Local and Regional programs		
10.3 Example / Activity		
11. Legal Concerns/Issues	30	
11.1 Conflict of Interest Issues (Who is client?)		
11.2 Responsibility for Under-Performance and/or Failure		
11.3 Quality Assurance / Provider's Role		
11.4 Anti-trust (pricing)		
11.5 Franchising		
11.6 Professional Liability Insurance		
11.7 Example/Activity		

PM Break (2:45 – 3:00)	15	
12. Final Student Activity	60	
13. Closing	30	
13.1 Review of Key Points		
13.2 What's Next?		
13.3 Additional Resources		
13.4 Importance and interaction		
13.5 Closing Interaction / Question		
13.6 Primary RESNET contacts		
13.7 Thank you / Q&A		
Adjourn 4:30 PM		

