



### LEED for Homes Green Rater Program Description

*This document contains key information you should know before signing up for this workshop. Please read carefully.*

Thank you for your interest in the LEED for Homes Green Rater Workshop. This workshop is the second part of the curriculum designed for individuals pursuing the LEED for Homes Green Rater designation. There are steps to becoming a LEED for Homes Green Rater:

#### LEED for Homes Green Rater Pathway:

- Meet the minimum eligibility qualifications that are outlined on page 2 of this document.
- Complete the LEED for Homes Green Rater Curriculum:
  1. Full series of self-guided online learning modules (available 10/09)
  2. Instructor-led two-day LEED for Homes Green Rater Workshop
- Register, take and pass the LEED for Homes Green Rater exam, which is administered by the Green Building Certification Institute (GBCI). Applicant must agree to LEED for Homes Green Rater Code of Conduct.

**→ Obtain exam completion certificate from GBCI**

- Establish an agreement to provide verification services with a LEED for Homes Provider organization. In some cases, this may be done earlier in the applicant's pathway.
- Complete the required components of LEED for Homes Green Rater Mentorship within 24 months of passing exam.

*Having passed the exam and entered into an arrangement with a Provider, you will be able to start providing verification services on LEED for Homes projects. However, you will need to complete the required components of a mentorship under the supervision of a current LEED for Homes Green Rater and a Provider Quality Assurance Designee. You will have 24 months from when you pass the exam to complete the mentorship and submit mentorship documentation to GBCI. (The mentorship requirements will be discussed in the workshop.)*

**→ Obtain LEED for Homes Green Rater Certificate from GBCI**

- Act in accordance with Code of Conduct to retain LEED for Homes Green Rater designation.

Note: All individuals taking the LEED for Homes Green Rater Workshop at Greenbuild will receive an e-mail with information on how to register for the required online modules once they are available. It is mandatory that workshop attendees complete the online modules prior to the workshop. The online modules are currently under development and will be released October 2009.

There is also an Advance Track: For Experienced Green Raters. This track is for individuals who have provided verification services on LEED for Homes projects prior to the availability of the LEED for Homes Green Rater certificate. The Advanced Track does not require workshop attendance. Such individuals may



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submit an application beginning in October 2009 demonstrating that they have met the specified requirements to USGBC.

#### The Advanced Track requirements are:

1. Have previously participated in three LEED for Homes preliminary ratings.
2. Have previously conducted three pre-drywall and three final verification visits on LEED for Homes projects.
  - One pre-drywall and one final verification visit must have been supervised on-site by LEED for Homes Provider Quality Assurance Designee
3. Have previously assembled 3 LEED for Homes submittal packages.

### LEED for Homes Green Rater Eligibility Qualifications

This section covers the eligibility qualifications an applicant must meet prior to pursuing the LEED for Homes Green Rater certificate. Items below will not be taught to in the LEED for Homes Green Rater Curriculum.

#### Part A: Minimum Qualifications

- High school diploma or GED (*USGBC may ask to see this documentation*)
- 3 yrs. minimum experience in the field of residential construction (eg. HERS rater, general contractor, building inspector, etc.)
- Must have the following **knowledge**:
  - Understanding of basic green building strategies in each of the primary LEED for Homes credit categories (*You may be required by USGBC to show proof of course taken.*)
  - Knowledge of Building Science basics: *Applicant must complete 4 hours of more of education that comprehensively covers the listed topics. (You may be required by USGBC to show proof of course taken. Certified HERS raters automatically meet this requirement.)*
    - Building envelope (continuous & contiguous pressure & thermal boundaries that separate conditioned space from ambient or unconditioned spaces)
    - Heat transfer (convection, radiation, conduction)

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- Moisture transfer (diffusion, air-infiltration, capillarity, gravity)
  - Air transfer (infiltration causes such as mechanical systems, wind, stack effect, reverse stack effect that create pressure differences across the building envelope, and holes that allow air to flow to areas of lower pressure)
  - Familiarity of residential building industry terminology
  - Familiarity of basic green building terminology
  - Ability to read and understand plans & specs incl. HVAC
    - Read a scale correctly
    - Identify what elements can be found on which drawings (plan view, section view, elevation view)
    - Identify the components of an HVAC system (air handler unit, plenum, trunk line, take-offs, refrigerant line, flue pipe, condensate lines, supply ducts, return ducts)
  - Familiarity of codes and standards including;
    - ASHRAE 62.2
    - HERS Index (and other regional baselines like Title 24)
    - Other relevant regional standards
  - Understanding of regional Issues
    - Local conditions
    - Local resources
    - Local cost effective tradeoffs
    - Local issues (radon, earthquakes, safety, durability)
- Must have the following **skills**:
- Computer skills (effectively operate basic operating systems: excel, word, e-mail systems)
  - Effective communication

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- Professional approach to verbal and written exchanges
- Professional client relations
- Ability to communicate rating system requirements and areas of compliance/non-compliance
- Thorough reading comprehension skills
- Technical comprehension and ability
- Problem solving
- Project management
- Mathematical
  - Calculate area of rectangle, circle, triangle, trapezoid
  - Calculate volumes for above listed shapes when provided depth
- Ability to move around project site, including tight and hard to access spaces
- Ability to lift moderately heavy items (up to 40 lbs.)
- Photography (ability to take digital photos of LEED measures on project site)