



USGBC 2008 Natural Talent Design Competition St. Louis Program Summary

OVERVIEW

The USGBC NaturalTalent 2008 Design Competition provides an applied learning experience in the principles of integrated design, sustainability, innovation, and social consciousness; all of which are components of the LEED™ Green Building Rating System. Participants will compete in a local competition, the top winner of which will move on to compete for a national award at Greenbuild Boston in 2008. Awards include travel and registration to Greenbuild (<http://www.greenbuildexpo.org>), the USGBC's Annual Green Building Conference and Expo, where finalists' entries will be displayed and where final judging will occur. Greenbuild 2008 will be held in Boston, MA, November, 2008.

COMPETITION OBJECTIVES

- Broaden environmental education in the building professions within the university system
- To empower students and young professionals within the green building movement to become future leaders
- Highlight the presence, efforts, and initiative of students and emerging leaders in the green building movement
- Encourage the reduction of the dependence on fossil fuels within the building industry.
- Integrate students with esteemed individuals from the USGBC and green building industry
- Raise awareness of exemplary designs of future designers by displaying them at Greenbuild
- Utilize LEED™ as a guideline for building design and performance
- Recognize and award students and emerging green builders for their dedication, creativity, innovation, and commitment to sustainable design

ELIGIBILITY

The Competition is open to all university level students (of any discipline and level) and individuals within five (5) years of graduation.

- Teams and individuals wishing to participate in the competition will qualify to enter the nearest competition site to their residence. This will depend largely on the Chapters participating.
- Both individuals and teams are permitted to enter – please check your local competition requirements.
- Multi-disciplinary teams are strongly encouraged.

- Teams are to be no larger than five individuals.
- Only one entry per team/person will be accepted.
- We encourage teams to secure a faculty member or industry professional to fill an advisory role. The Competition Committee will not recommend advisors but encourage participants to seek them out themselves. Please check the USGBC website for a list of LEED Accredited Professionals in your area or contact your local USGBC chapter for help identifying an advisor.
- International entries will be accepted at both the local and national levels. However, it is up to the international team to secure their own translation of the applicable program, as well as additional support for translation clarification. It will not be the responsibility of the local or national host committee to translate.

REGISTRATION

1. Teams are required to complete an online registration form by visiting the Emerging Green Builders national website at www.usgbc.org\egb ; only one form per team. All information must be complete to be considered a valid entry. A confirmation email will be sent from National within seven (7) business days of receiving the registration, and will contain information on how to proceed. Registration is mandatory to receive additional instruction and information on project submittals.
2. Teams are required to identify a primary contact. This person will receive important information from the local competition committee and is responsible for final submission. The team contact will be responsible for all communication between the design team and the Competition Committee. Additionally, the team contact should disseminate all information from the Competition Committee to their entire team.
3. Each team/individual may only enter one local competition. This competition should be the competition geographically closest to your current location.

COMPETITION CHALLENGE

Design a sustainable, prototype house for Habitat for Humanity and produce a Guide to Green Homeownership. Designs should be affordable, repeatable, contextually relevant and meet the requirements of Universal Design.

St. Louis Habitat for Humanity History and Mission

The St. Louis Chapter was formed in 1986 and to date has helped change the lives of 206 families. The chapter has set an aggressive goal of building 50 homes per year by 2015.

Habitat has a mission to eliminate substandard housing in St. Louis by building affordable and energy efficient homes and communities. This goal is being realized by a comprehensive program that helps families who are determined to proactively better their lives by investing time and effort into actually building, owning a home and becoming a contributing member of the community. The house may be designed as a one storey or one and a half storey structure.

Site: St. Louis, Missouri, Urban Neighborhood

PROJECT CONTEXT & LOCATION

Specifics will be provided by the St. Louis Emerging Green Builders following registration.

DEVELOPMENT PROGRAM

The house must be designed to accommodate the program components listed below. Square footages are recommended but not specifically required. However, the sum of the interior first floor spaces should not exceed 1300 square feet, or the design team will be disqualified.

- **Front Porch** 80 sf
- **Living room / family area** 200 sf
Include furniture layout to accommodate 4-6 persons
- **Kitchen / dining area** 220 sf
Dining area to accommodate 4-6 persons
Provide visual connection to family area
- **Bathrooms (2)** 80 sf each
Both bathrooms should accommodate a full size bathtub
- **Bedrooms (3)** 120 sf each
- **Utility room** 60 sf
Washer and dryer
Cleaning supply storage
- **Storage Shed (typically attached)** 100 sf
Provide room for lawn equipment
- **Parking:** Provided on street

DESIGN GOALS

Evaluation criteria at the local level:

- Conceptual Design and Program fulfillment: how the project's vision has met the requirements
- Integration of green design strategies and applicability to LEED criteria
- Creativity in process, design and innovation
- Engagement of environmental, economic, and social aspects of program and site
- Overall energy reduction and its documentation
- Usefulness (intuitive) and applicability of Guide to Green Homeownership
- Thought given to the sustainability of the construction process taking into consideration the use of unskilled volunteer labor.

SUBMISSION REQUIREMENTS

Submission Requirements at both Local and National Levels

- At minimum, boards submitted at the national level must include:
 - Site plan providing context (scale at the discretion of the entrant)
 - Building Section
 - Floor plan
 - Illustration of key elements of sustainable infrastructure and building systems
 - Wall section OR detail illustrating special environmental features
 - Guide to Green Homeownership
 - This document should act as a handbook to educate the homeowner on the green attributes of their home and the ways in which they can contribute to the successful operation of the home over time.
 - **Do not** include names or the name of your team on the board
 - All entries must remain anonymous at all levels.
 - Each entry must also provide a digital file of the image as a JPEG or TIFF format at 300dpi, full size.
 - Failure to follow the submission requirements could result in disqualification. This will be left up to the judges' discretion.
 - A one-page written design analysis in PDF form to provide the judges with further insight into the submissions.
 - All entries need to be submitted in English.
2. Other important notes:
- LEED is a design guideline only. It is understood that this will not portray an accurate LEED score.
 - No LEED credit interpretation rulings will be provided.
 - Designs do not need to be engineered for construction. You should be mindful of conventional design practices, although no other codes other than ADA need to be explicitly met (i.e. local building code, IBC or UBC, fire code, etc.).

Deadline for submissions is Monday, June 2, 2008. No submissions will be accepted after this date and time.

FINALISTS

Finalists at the local level will be given additional time to develop and detail their designs. Finalists will be permitted two 30"x40" presentation boards of any orientation for final presentation at Greenbuild in Boston. The finalists may be given specific LEED credits to consider, including material samples and details.

An electronic copy of the two boards for entry will be due to the National EGB Competition Committee October 1, 2008. These electronic copies should be PDF files formatted to fit on an 11x17 sheet. Entrants are responsible for ensuring both boards are physically present at the Greenbuild Conference and Expo in Boston, MA, for display and final judging. This will be coordinated with the National EGB Committee toward the end of October. Finalists are strongly encouraged to attend Greenbuild but are not required to. All projects in the final round of judging will also be posted to the Emerging Green Builders Website.

As earlier stated, final presentations can be further developed and modified from the original project submission, although not redesigned. There must be a clear relation to the original submission. *The Competition Committees at both levels reserve the right to disqualify any entry perceived to be redesigned.*

JUDGING

There will be two phases of judging in the 2008 competition. The first will take place at the local level on June 7, 2008. Judging at the national level will take place at Greenbuild in Boston, MA, by an esteemed panel of green building experts.

Judges for the local Competition

- Habitat for Humanity Architect/ Kyle Hunsberger
- Remaining judges TDB

AWARDS

The local jury will award a first, second and third place, as well as two Honorable Mention Awards. Winning teams will receive the following awards:

- 1st Place: \$1,000
- 2nd Place: \$500
- 3rd Place: \$250
- 4th and 5th: Honorable mentions

***NOTE:** First place winners will also get travel, lodging and registration to Greenbuild in Boston. If an international registrant would win the local competition, they would be given a stipend to assist in their airfare and hotel, in addition to EGB registration.*

National awards are as follows:

- 1st Place: \$5,000
- 2nd Place: \$2,000

DISCLAIMER

The National EGB Committee reserves the right to refuse any entry. The USGBC is not liable for lost or misdirected, late or substantially incomplete entries, as well as any entries containing text/images that identify the designer to jurors. The decisions and opinions of the jurors represent their professional viewpoints, not the opinion of USGBC. All prizes will be awarded at the discretion of USGBC and all decisions are final.

All drawings, photographs, photocopies and other physical materials submitted to the competition become the property of the USGBC and will not be returned. It should be emphasized that this competition is purely conceptual, and the selection of finalists or prize-winners in no way indicates intent of the property owners to implement the proposed schemes. Upon registering for this competition, all competitors agree to waive any and all claims against the USGBC as a result of the competition. Also, by registering, the entrants transfer unlimited use for publication, exhibition and electronic posting of all entries to the USGBC. All images must either be created by the team or sufficiently cited. Failure to do so will result in disqualification. Fill out and return the Image Use Form found on the national EGB website prior to submitting for your local competition.

This competition, headed by the USGBC Emerging Green Builders Committee, has no intention to award or grant any building contracts for the designs submitted in this competition.

COMPETITION SCHEDULE

- **November 15, 2007:** Registration goes LIVE on the national USGBC website.
- **January 16, 2008:** Happy hour kick-off event – the formation of interdisciplinary teams could occur at this time.
- **January 21, 2008:** Local competition begins
- **June 2, 2008:** Local competition submission deadline.
- **June 7, 2008:** Local judging to be done
- **June 22-24, 2008:** Local winners to be announced at Greening the Heartland 2008 in St. Louis

CONTACT INFORMATION

For additional information and questions visit the FAQ page at www.usgbc.org/legb

Contact emerginggreen@usgbc.org with any questions not answered on the above site. This email is to be used for general competition correspondence, all other questions should be directed to the local contact below.

Local contact: Ron Finney – rfinney@hellmuth-bicknese.com

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