



Emerging
Green
Builders

USGBC Design Competition National Capital Region Chapter The Greening of Greenbelt

OVERVIEW

The USGBC NaturalTalent 2007 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 LA 2007. Awards include Green Building Scholarships as well as 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 2007 will be held in Los Angeles, CA, October 17-19, 2007.

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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 with less than five (5) years experience in the building industry.

- 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.

- Multi-disciplinary and international 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.

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 five (5) business days of receiving the registration, and will contain information on how to proceed. Registration is mandatory to receive additional instruction on project submittals.
2. Teams are required to identify a team 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 space and/or system exemplifying the ideals of a livable and affordable community for the Town of Greenbelt, Maryland during the next 1,000 years. In this suburban setting, develop the given site as a "center of community". The entrants are asked to view the lifespan of the project beyond the current practice of one or two generations and address contemporary issues of economy and development, cultural and environmental stewardship as timeless in nature.

Rationale: The EPA addressing the proposed disposal of nuclear waste in Yucca Mountain, Nevada is expected to issue a regulation for nuclear disposal and containment over the next 1 million years. This is the lifespan of 25,000 generations. The regulation in many ways forces us to see the impact of human processes not only in our lifetime, but in the lifetimes of the materials we use and the environments in which they persist. Our current building practice is constructed often with old and inefficient technologies and an ever-decreasing quality of materials; this in many ways due to the very market forces which drive their production. These factors lower the quality of building, often at the cost of energy performance and occupant safety or comfort. In addition, once assembled these materials are often static, unable to address the rapid changes in contemporary culture and consumer demand they are discarded as waste and quickly replaced.

As part of the design, the entrants are encouraged to evaluate the forces in the market, the building industry, current social and political policies and address these issues in their proposals. The design should use the LEED Rating System as a first step in understanding environmentally sustainable design.

"Change is a singular inevitability about evolution...the singular authority of the built object and the landscape is that of permanence beyond people." - Aldo Rossi

Site: Town Center, Greenbelt, Maryland.

More information will be posted Jan 1, 2007 at
<http://usgbc-ncr.org/egb-main.html>

PROJECT CONTEXT & LOCATION

Built between 1935 and 1940, the historic town of Greenbelt, Maryland is a New Deal era town listed on the National Register of Historic Places. As a model community, it was built to embody the ideals of livability and affordability. Both these ideals are currently being challenged by the growth occurring in the National Capital Region. Local groups working under the umbrella of the **Greener Greenbelt Initiative** are creating a comprehensive plan to sustain the ideals of Greenbelt into the future. A summary of the efforts of the Greener Greenbelt Initiative will be provided to competition participants.

The National Capital Region Emerging Green Builders competition will support the work of the Initiative by exploring the potential of a site in the town center. As an integral part of the Greenbelt community, the town center was created to be a vibrant public space that belongs to everyone. The NCR EGB competition will create strategies to sustain a vibrant communal space.

As a walkable suburban development, the residential, commercial, and civic aspects of the community were designed to be closely linked. The hub of this community design, the historic town center, is surrounded by the supporting network of art deco townhomes and apartments. Using a site in the town center as a model, competition participants should explore the systems that link the community.

The ideals that generated the development of Greenbelt, livability and affordability, can not be considered without recognizing the need for environmental stewardship.

DEVELOPMENT PROGRAM

The site begins, but is in no way limited to the proposed boundary. The final presentation should illustrate the project's influence on micro- and macro- scales: site, community, world. While the majority of the site is to be set aside for public use, the specific program of the design should be outlined by the team and described in the project summary. The term "public use" can and will have very different meanings over such a large span of time.

This is an ideas competition, however the entries will be judged on the execution of these ideas by means of physical and informational processes.

The following questions are meant to provide context, but they are not meant to limit the scope of the design:

How could a space and/or system communicate the oral/digital history of a town?
How could a space and/or system become part of the civic infrastructure?
How could a space and/or system deal with community waste and consumption?
How could a space and/or system provide energy for a community?
How could a space and/or system adapt to economic models?
How could a space and/or system adapt to changing needs?

DESIGN GOALS

Evaluation criteria at the local level:

- Creativity in process and design
- Integration of the design with the town and community
- Ability for design to be sustainable and viable over an extended period of time
- Integration of one or more LEED concepts
- Attention to social systems that reflect Greenbelt's place as a model community

Evaluation criteria at the national 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

SUBMISSION REQUIREMENTS

Submission for Requirements at the Local Level

- 2 boards at 30" x 40". The board should be ¼" thick with no more than ¼" thick protrusion.
- A digital file of the boards as a JPEG or TIFF format at 300 dpi, full size. These should be submitted on a CD.
- A separate page written summary of the design
- **Do not include any identifiable information on the front of the board.**

Submission for Requirements at the National Level

- At minimum, boards submitted at the national level must include (not necessary for local judging):
 - 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
 - **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.
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 Close of Business, May 1, 2007. 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 for final presentation at Greenbuild in Los Angeles. 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, 2007. 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 Los Angeles, CA, for display and final judging. This will be coordinated with the National EGB Committee toward the end of September. 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 2007 competition. The first will take place at the local level on or before June 15, 2007, which is a date to be set by the local host organization. Judging at the national level will take place at Greenbuild in Los Angeles, CA, by an esteemed panel of green building experts.

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:

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

NOTE: First place winners will also get travel, lodging and registration to Greenbuild in Los Angeles. 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. The National Capital Region Chapter will provide funds for the winning team member(s) to attend Greenbuild in Los Angeles. The maximum stipend is to be determined.

National awards are as follows:

- o 1st Place: \$5,000
- o 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

- **December 15, 2006:** Registration goes live on the national USGBC website.
- **April 1, 2007:** Registration closes.
- **May 1, 2007:** Submissions due to the local committee.
- **May 15, 2007:** Local winners announced.
- **June 15, 2007:** Latest date for local judging to be complete.
- **October 1, 2007:** National deadline for those chosen to compete at Greenbuild 2007.

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.

For local competition questions, contact....
Beth Barrett at beth_barrett@hotmail.com

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