

GLOBAL GREEN USA SUSTAINABLE DESIGN COMPETITION FOR NEW ORLEANS

HEALTHY HOMES AND SMART
NEIGHBORHOODS RESPONSE TEAM

HONORARY NATIONAL TASK FORCE: JULIAN BOND,
GEN. WESLEY CLARK, LEONARDO DICAPRIO, MORGAN
FREEMAN, LEE HAMILTON, PAT MITCHELL, DAVID ORR

BRAD PITT, JURY CHAIRMAN AND SPONSOR

ADVANCING THE SUSTAINABLE REBUILDING OF NEW
ORLEANS AND THE GULF COAST



- Environmental features including energy, restorative design, etc.
- Placement of 3 to 6 single-family homes
- Any linkages to adjacent housing, schools, community facilities, open space, and infrastructure (including natural features) on the block and/or surrounding blocks

SUBMITTALS – FINALIST TEAMS

Finalist teams will be asked to submit a more detailed design scheme, including the above-mentioned elements including:

- A more focused design/plan for one specific block and surrounding facing blocks, showing the relationships of the proposed structures to each other and to the street, opportunities for shared “natural services” that protect the environment and lower long term costs.
- Specific, detailed designs for:
 - a) the multi-family apartment building;
 - b) the multi-use community facility;
 - c) a single family green home that are culturally and climactically appropriate while making efficient use of the land.The community center may include a health clinic, a daycare center, and one other use type.

The competition program may also require rehabilitation and/or adaptation of existing structures, following historic preservation guidelines.

In addition, creation of financing and development plans with neighborhood groups and/or community development organizations may be necessary.

Finally, submissions may need to explore a strategy for structures to meet significant or all energy needs on-site and/or to become climate neutral, including ideas for financing of energy systems, 3rd party purchase of reduced carbon emissions from previous use.

NEIGHBORHOOD

Holy Cross is a predominately African American neighborhood in the Lower Ninth Ward composed of mainly middle to low income families. The majority of households are renters (58%), but the area maintains a significant number of homeowners. Although challenged with the problems of most inner city communities, the area has a number of organizations, churches and individuals who are addressing these problems and holding on to the family-oriented atmosphere characteristic of this neighborhood.

Global Green USA and Brad Pitt present the “Sustainable Design Competition for New Orleans,” an effort to catalyze sustainable rebuilding that meets the needs of New Orleans and its residents. The design challenge combines Global Green USA’s commitment to green affordable housing, sustainable cities, and climate solutions that work for communities with Brad Pitt’s passion for intelligent architecture.

The competition targets for re-design several neighborhoods – those needing the most assistance, potentially vulnerable to outside developers, and in areas likely to be rebuilt.

Using culturally, environmentally, and climactically appropriate materials and strategies, the designs:

- Draw upon natural systems on-site and on surrounding blocks
- Meet the needs of the community
- Reduce financial and health burdens for residents and the community
- Maximize use of energy on-site (e.g., net zero energy homes)
- Explore ways to be carbon or climate neutral
- Explore restorative design and living systems
- Inspire local enterprise that creates clean jobs

THE COMPETITION

The Design Competition provides an opportunity for talented architects, urban planners, designers, ecologists, and students to put forward a creative and implementable vision for the intelligent design, plan and

reconstruction of a New Orleans neighborhood for healthy homes and a multi-use community center.

The competition has 2 phases:

Phase 1: Open Competition An open invitation for designs for one pre-selected, representative neighborhood (Holy Cross) and site (see below). Up to six finalists will be selected by the jury to participate in Phase 2.

Phase 2: Finalist Round

The finalists will be paired with a local neighborhood group (or community development organization) and a leading local architect/design firm, and provided green building expertise by Global Green. Each finalist will be given a fee to cover basic time and expenses. To prepare final designs, finalists are expected to do a site visit and participate in/lead a neighborhood design charrette(s). Finalist designs will be exhibited in New Orleans and Washington, DC. The ultimate goal, and prize, is the construction of projects generated over the course of this competition.

Finalist jury review and announcements will occur prior to August 29, 2006, the one-year anniversary of Katrina’s landfall.

SUBMITTALS – OPEN COMPETITION

Each open competition team’s submission includes specific design for:

- Multifamily green affordable housing of 8-12 rental units
- Multi-use community facilities (integrated with the multi-family)

A site plan is required that is an ‘urban design’ exercise and includes:

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GREEN BUILDING CRITERIA FOR THE SUSTAINABLE DESIGN COMPETITION

- Combining high-level energy efficiency and on-site energy generation to achieve net-zero and/or carbon-neutral buildings and site
- Designing for reliability and resiliency through on-site energy generation and disaster resistant design
- Principles developed for the Gulf Coast and New Orleans rebuilding, including the USGBC's New Orleans Principles and others
- Integration of natural features and systems on the site and in surrounding blocks
- Restoration or enhancement of existing natural systems including living systems and restorative design to address on-site water catchment, wastewater, etc.
- Productive reuse of demolition debris on site and from neighborhood/city
- Design to support walking, biking, and use of public transportation
- Green building strategies as outlined in LEED for HOME or Enterprise Green Communities Initiative Criteria
- Use of passive solar heating and cooling and natural daylighting
- Energy-efficient construction, systems, appliances and lighting
- Solar thermal and solar electric systems
- Utilization of recycled-content or Cradle to Cradle materials
- Incorporation of healthy building materials and superior ventilation
- On-site wastewater treatment and stormwater management
- On-site food production
- Inspire local enterprise that creates clean/green jobs in the neighborhood