



National Institute of
BUILDING SCIENCES

Sustainable Buildings
Industry Council

2012 *Beyond Green*TM
High-Performance Building Awards



Buildings

Initiatives

Products

*Call for
Entries*

Award Luncheon Sponsored by:

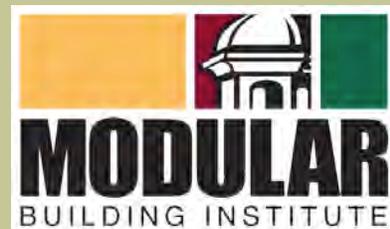


Photo: Redding School of the Arts, 2011 Honor
Award - First Place for a New Academic Complex

An Authoritative Source of Innovative Solutions for the Built Environment

2012 *Beyond Green*TM High-Performance Building Awards



The National Institute of Building Sciences Sustainable Buildings Industry Council (SBIC), along with lead sponsor, the Modular Building Institute, is proud to announce the **2012 *Beyond Green*TM High-Performance Building Awards**. This unique program recognizes the initiatives that shape, inform and catalyze the high-performance building market, as well as the real-world application of high-performance design and construction practices.

The winners of the ***Beyond Green*TM High-Performance Building Awards** will present their projects at a special ***Beyond Green*TM Awards Luncheon** during the Institute's Annual Conference, Building Innovation 2013, to be held January 7-12, 2013. This presentation and poster session gives winners an opportunity to share directly with leaders in the building community, highlighting the challenges and opportunities they faced while delivering high-performance buildings.

Winning projects will be published on the WBDG Whole Building Design Guide® website (www.wbdg.org).

Additional recognition will include an announcement in the Institute's newsletter, a plaque, posting on the Council's website and potential inclusion in future Council technical guidelines and publications.

Whole Building Design Objectives

A truly successful project is one where project goals are identified early on and where the interdependencies of all building systems are coordinated concurrently from the planning and programming phase. Further, it is one that helps the building community better understand the interrelationships, evaluate and appropriately apply the eight high-performance attributes as design objectives: accessible, aesthetics, cost-effective, functional/operational, historic preservation, productive, secure/safe, and sustainable. Each of these design objectives is presented in the context of the others throughout the WBDG Whole Building Design Guide® website. SBIC and its ***Beyond Green*TM High-Performance Building Awards Program**



rely on the concepts embodied in the whole building design objectives to produce high-performance buildings. Each design objective described herein is significantly important, yet it is just one aspect of what it takes to achieve a successful project.

Sustainable: Pertains to environmental performance of building elements and strategies.

Safe/Secure: Design and construct buildings that resist natural and man-made hazards.

Functional/Operational: Define the size and proximity of the different spaces needed for activities and equipment and anticipate changing information technology (IT) and other building systems equipment.

Aesthetic: Pertains to the physical appearance and image of building elements and spaces as well as the integrated design process.

Historic Preservation: Protect and preserve, rehabilitate, restore or reconstruct historic buildings.

Productive/Healthy: Design for building occupant physical and psychological well being.

Accessible: Ensure equal use of the building for all and plan for flexibility.

Cost-Effective: Select building elements on the basis of life-cycle costs.

For more comprehensive descriptions of the eight high-performance attributes as design objectives, visit www.wbdg.org.

Category A: High-Performance Buildings

High-Performance Buildings can be:

- Commercial buildings, government buildings, homes, schools or institutional buildings.
- Renovation, retrofit, historic reuse or preservation projects.

Evaluation Criteria:

- Whole Building Design Objectives. Explain how you balanced the whole building design objectives and the synergies that result from their interaction.
- Integrated Design. Describe the process used to bring together a unified team to address the various design objectives.
- Benefits. Illustrate the benefits to the owner/client. Does the building have lower operations and maintenance costs or improved durability? How does the high-performance building provide greater benefit than a conventional building?
- Innovation. Describe unique aspects to your approach and any innovative problem solving you used to overcome challenges.
- Energy and Environmental Considerations. Describe how your entry promotes energy and water savings and the use of renewable resources.

Submission Requirements:

Description:

- Provide a description of the project, including the number and scope of buildings, history and completion date, site conditions/context and community.

Evaluation:

- Explain how the strategies you selected were implemented and evaluated in terms of their effectiveness. Include both qualitative and quantitative performance information.
- Describe design trade-offs and interactions.
- Describe both positive and negative aspects of the process, including the composition of the project team, that allowed goals to be met.
- List resources and/or tools that were utilized in the design/construction of the project and how they aided in the accomplishment of outlined goals.
- Describe how building materials, systems and product selection addressed the design objectives, goals and strategies.

Project Results/Lessons Learned:

- Describe goals that were met, especially as they relate to achieving the eight high-performance attributes as design objectives.
- Describe synergies that resulted from the implemented strategies.
- How did you measure or evaluate the performance of the building?
- Describe how the owner/client benefitted.

Additional Supporting Materials (four pages maximum):

Include materials/images that represent the building and strategies implemented in the project, such as a site plan, floor plans, elevations/sections, details and analyses/reports.

NOTE: Projects must have been completed within the last three years.



Photos from top: Previous page, 1 and 2: The Bertschi School Living Science Building, 2011 Award of Merit for Distinction in a Sustainable Addition; 3 and 4: United States Land Port of Entry in Calais, Maine, 2011 Honor Award - First Place for New Construction

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Category B: High-Performance Initiatives

High-Performance Initiatives can be:

- Policy Programs. Results from expert forums, code reforms, legislative initiatives or industry-led advocacy activities.
- Research and Construction Process. Software, databases, commissioning plans, analytic tools and construction methods. Other considerations may include inventions and innovative technologies.
- Educational Initiatives. Curriculum development or delivery for workshops, conferences or distance learning applications; development of professional literature, books, newspapers and magazines; or development of continuing education programs for building industry professionals.
- Consumer Awareness Efforts. Media campaigns, creative advertising, grassroots educational programs or demonstration houses and buildings.

Evaluation Criteria:

- Whole Building Design Objectives. Explain the successful resolutions to balancing the eight whole building design objectives, highlighting synergies resulting from their interaction.
- Transferability and Marketability. Describe how the initiative can be replicated by or for others, thereby extending the reach of the project.
- Energy and Environmental Considerations. Describe how your entry promotes energy and water savings and the use of renewable resources.

Submission Requirements:

Description:

- Provide a description of the policy, program initiative, product or activity.

Evaluation:

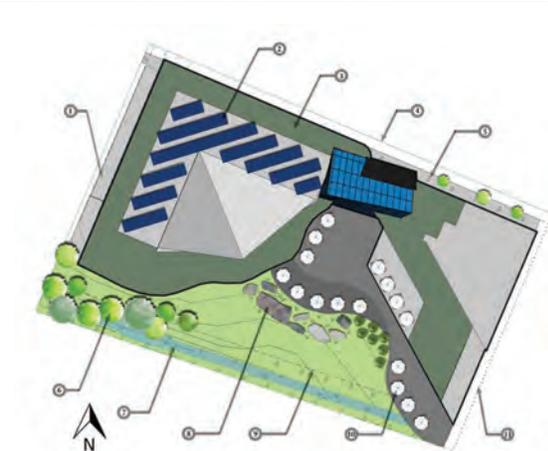
- Explain how your submission meets the Evaluation Criteria.

Results/Lessons Learned:

- Describe goals related to your submission that were and were not met and reasons for these outcomes.
- Describe synergies that resulted from the eight design objectives you address on your project.
- Define how these results were determined and measured.
- Describe benefits to your target audience.

Additional Supporting Materials (four pages maximum):

Include illustrative photographs, graphics and/or samples as appropriate.



Category C: High-Performance Products

High-Performance Products can be:

- Used in the construction or deconstruction of a building
- Used directly or indirectly by building inhabitants
- Used in the rehabilitation of a building
- Used in the operation of a building
- Used in the maintenance of a building
- Used in the design of a high-performance building (e.g., software)

Evaluation Criteria:

- Whole Building Design Objectives. Explain what high-performance attributes the product fulfills.
- Benefits. Illustrate the benefits to the owner/client. Does the product advance safety, improve comfort or decrease operational costs? Describe the uniqueness of the solution and how this product differs from currently available products.
- Innovation. Describe unique aspects of the product and discuss any innovative problem solving.
- Energy, Environment and Product Life Cycle. Describe how your entry promotes energy and water savings and/or the use of renewable resources. Also, if the product is tangible, describe the source materials, its life cycle and what is done with the product after its functional use.
- Integrated Design. Describe how the product is used to bring together a unified team to address the various design objectives.

Submission Requirements:

Description:

- Provide a description of the product, its purpose and the building types to which it can apply through photos or schematics.

Evaluation:

- Explain how the product came into existence, and describe how the product meets some marketable demand.
- Describe competing products and why this one is superior to others.
- Describe both positive and negative aspects of the product.

Additional Supporting Materials (four pages maximum):

Include materials that document safety features, product testing, independent evaluations, awards, recognitions and analyses/reports as appropriate.



Photo: Adura Technologies' Wireless Lighting Control System, 2011 Citation for Innovation in New Product Design for Sustainability



The Greg Franta Memorial Award

SBIC will present the Greg Franta Memorial Award. Greg was a dynamic leader in the sustainable building field and a tireless supporter of SBIC as a long-time member, director and instructor. As SBIC chairman, he generously contributed his time and creativity to increase SBIC's visibility, promote its mission and ensure technical accuracy. His untimely death left a substantial void in the sustainable building community, but his legacy endures as the work he pioneered continues.

Award Criteria

The Greg Franta Memorial Award recognizes a person or organization that has demonstrated an outstanding contribution to high-performance, sustainable building design and construction.

2012 *Beyond Green*TM High-Performance Building Awards

How to Apply

Entries may be submitted by email, with all supplemental materials (such as photos, images, floor plans, etc.) included as separate attachments, or sent by mail on a CD. In addition to addressing the Submission Requirements described on the previous pages, please complete the Entry Form in its entirety. If information is not available or not applicable to the project, simply enter N/A.

Who Should Apply

- Architects and engineers
- Consultants
- Builders
- Building owners (public & private)
- Developers
- Universities
- Trade associations
- Researchers & educators
- Product manufacturers & suppliers
- Marketing & media experts
- Utilities
- Municipalities

Submission Guidelines

Entries must be received by the Institute **NO LATER THAN 5:00 p.m. EST on Friday, November 2, 2012.**

The application fee is \$300 for Institute and Council members and \$400 for non-members. American Express, Visa and MasterCard are accepted. If paying by mail, checks must be made payable to **The National Institute of Building Sciences** or **NIBS**. No application fee is required for submissions for the Greg Franta Memorial Award.

Questions?

Email your submission to: sbic@nibs.org. Please include "Beyond GreenTM Awards Program" in the subject line.

Or mail your submission to:

Attn: SBIC *Beyond Green*TM Awards
National Institute of Building Sciences
1090 Vermont Avenue, NW, Suite 700
Washington, DC, 20005-4950



Image: Redding School of the Arts, 2011 Honor Award - First Place for a New Academic Complex

The National Institute of Building Sciences may use the content of any entries to educate and inspire the building industry by creating case studies, web pages and new program curricula. By participating in the SBIC Beyond GreenTM Awards program, entrants grant the Institute an unlimited, permanent, nonexclusive license, under which the Institute may film, tape, transcribe or quote from the materials and/or awards reception presentations; create derivative works; and publish in any format. The Institute will not be required to pay royalties or make any payment. Organizations or individuals presenting content considered proprietary, to the extent that it cannot be shared beyond the awards program, should not participate at this time.



National Institute of
BUILDING SCIENCES

Sustainable Buildings Industry Council

2012 *Beyond Green*TM

High-Performance Building Awards

Entry Form

Select:

<input type="checkbox"/> Category A High-Performance Buildings	<input type="checkbox"/> Category B High-Performance Initiatives	<input type="checkbox"/> Category C High-Performance Products
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Title of Entry: _____

Submitted on Behalf of: _____

Name of Contact and Position: _____

Address (including city, state, zip): _____

Phone: _____ Fax: _____

E-mail: _____ Website: _____

<input type="checkbox"/> Category A	
Owner	
Building Architect/Project Team	
Project Contact Person	
<input type="checkbox"/> Category B	
Initiative Sponsor(s)/Client	
Initiative Contact Person/Manager	
<input type="checkbox"/> Category C	
Product Sponsor(s)/Client	
Product Contact Person/Manager	
Product Designer	

Submission Fee:

Member \$300 Non-Member \$400

Payment Information:

Check enclosed. (Make check payable to the National Institute of Building Sciences)
 Visa MasterCard American Express

Credit Card No.: _____ Exp. Date: _____

Cardholder's Name: _____

Billing Address (including city, state, zip): _____



(This form will be included with the entry when it is submitted to the judges. To keep each entry anonymous, please do not include any information that would identify the firm or person submitting the entry.)

Category A High-Performance Buildings	Category B High-Performance Initiatives	Category C High-Performance Products
Building Name: _____	Initiative Name: _____	Product Name: _____
Location (city, state, country): _____	Initiative Type:	Product Type:
Construction Type (check one): <input type="checkbox"/> New Construction <input type="checkbox"/> Renovation, Retrofit, Historic Reuse or Preservation	<input type="checkbox"/> Policy/program development initiatives (expert forums, code reforms, legislative initiatives, industry-led advocacy activities) <input type="checkbox"/> Research and construction process (software, databases, commissioning plans, analytic tools, construction methods, inventions, innovative technologies)	<input type="checkbox"/> Used in construction or deconstruction of a building <input type="checkbox"/> Used directly or indirectly by building inhabitants <input type="checkbox"/> Used in rehabilitation of a building <input type="checkbox"/> Used in operation of a building <input type="checkbox"/> Used in maintenance of a building <input type="checkbox"/> Used in the design of a high-performance building (e.g., software) <input type="checkbox"/> Other
Size (ft2/m2): _____	<input type="checkbox"/> Educational initiatives (curriculum development or delivery for workshops, conferences or distance learning applications; professional literature, books, newspapers or magazines; continuing education programs for building industry professionals)	Product Launch Date: _____
Market Sector (check one): <input type="checkbox"/> Public (federal/state/local government) <input type="checkbox"/> Private <input type="checkbox"/> Other:	<input type="checkbox"/> Consumer awareness efforts (media campaigns, creative advertising, grassroots educational programs, demonstration houses and buildings) <input type="checkbox"/> Other: _____	
Building Type (check one): <input type="checkbox"/> Office <input type="checkbox"/> Academic <input type="checkbox"/> Single family <input type="checkbox"/> Multi family <input type="checkbox"/> Other	Initiative Start Date: _____	
Delivery Method (check one): <input type="checkbox"/> Design/Build <input type="checkbox"/> Design/Bid/Build <input type="checkbox"/> CM <input type="checkbox"/> Other:	Initiative Completion Date: _____	
Total Building Cost (cost ft2/cost m2): _____		
Project Completion Date/Date Building Occupied: _____		
Design Software Used: _____		
Energy Simulation Software Used: _____ _____		

