Green Programming at the National Building Museum
Presented in conjunction with the exhibition
*The Green House: New Directions in Sustainable Architecture and Design*
through June 2007 at the National Building Museum, Washington, DC.

**Spotlight on Design: Educating the Green Way: The Children’s Museum of Pittsburgh**
February 22, 2007
The 2004 expansion to the Children’s Museum of Pittsburgh is a case study in the successful combination of
design excellence and sustainable practices. The 80,000-square-foot project received a Silver LEED rating in
2006, making it the largest sustainable museum in the United States. Additionally, the museum has received a
number of prestigious recognitions, including a 2006 National Preservation Honor Award and a 2006 National
Honor Award for Architecture from the American Institute of Architects. In a moderated discussion, Jane
Werner, director of the Children’s Museum of Pittsburgh, and Julie Eizenberg, AIA, principal of the Santa
Monica-based firm Koning Eizenberg Architecture, will discuss the successes and challenges of using the
museum’s mission as a starting point for sustainable design. This program is presented in collaboration with the
Mid-Atlantic Association of Museums.

**Special Presentation**
**National Awards for Smart Growth Achievement**
November 15, 2006
Communities across the country are using a wide variety of innovative development tools to build
neighborhoods that provide safe and decent places to live and work, protect natural and historic places, and
create a balanced transportation system that provide choices on how to get around. These strategies are
revitalizing existing neighborhoods, making efficient use of existing infrastructure, and protecting our air and
water resources. Join the U.S. Environmental Protection Agency in the Great Hall for the presentation of the
fifth annual National Awards for Smart Growth Achievement.

*Smart Growth is presented in association with the U.S. Environmental Protection Agency and the Smart Growth Network.*

**Day-long Home Renovation Event**
**Greenovation: An Expo for the Home**
November 18, 2006
This full day expo event featured more than 30 display tables and booths, where visitor could interact with
experts, watch demonstrations, sample green products, and collect printed tips and resources about green home
renovation. Five 45-minute seminars led by nationally-recognized experts: Jennifer Roberts, LEED; Victoria
Schomer, ASID; Annette Stelmack, ASID; Dean Hill, ASLA; and Jim Sargent, GMB, CGG were offered on
a drop-in basis during the expo. In addition, DC middle and high school students will unveil the innovative
green structures they developed and constructed in the Museum’s [Design Apprenticeship Program](#).

**Spotlight on Design: Paolo Soleri**
October 23, 2006
In this exclusive public appearance, Paulo Soleri discussed his continuing experimentation in sustainable urban
planning including his concept of “Arcology”—architecture coherent with ecology—architecture, and design.

*Spotlight on Design is sponsored by Lafarge, the largest diversified supplier of construction materials in North America.
Additional support is provided by the National Endowment for the Arts.*
Lecture
Off the Grid: Modern Homes + Alternative Energy
October 16, 2006
During this lecture, architect Lori Ryker discussed concepts for off-the-grid strategies and presented two in-depth profiles of projects demonstrating how ideas are developed, refined, and applied to residential architecture. She also signed copies of her recent publication Off the Grid: Modern Homes + Alternative Energy (Gibbs Smith) which profiles ten contemporary residences from across the world which incorporate alternative and off the grid technologies.

Lecture
Ritual House: Drawing on Nature’s Rhythms for Architecture and Urban Design
October 11, 2006
Ralph L. Knowles, professor emeritus at University of Southern California School of Architecture and author of Ritual House: Drawing on Nature’s Rhythms for Architecture and Urban Design (Island Press), presented how the concepts behind sustainable architecture have been around for centuries and how we can reconnect the built environment to the natural world by drawing on nature’s resources without depleting them.

Festival of the Building Arts
October 7, 2006
Future builders can work side by side with master craftspeople to discover the skills and secrets of the building arts and learn what it means to build “green” at the Museum’s Festival of the Building Arts. Woodworkers, gilders, welders, stone carvers, art glass designers, and others will share details about their unique skills as visitors work alongside them.

The Festival of the Building Arts is presented by The Associated General Contractors of America.

Building for the 21st Century
Attractive Building Design Solutions and High-Performance Results
October 4, 2006
William Browning, partner, Browning + Bannon, LLC, shared his perspectives on integrated building design, highlighting the design approach and results from the Bank of America Tower in New York, the California Academy of Sciences, the GSA San Francisco complex, and XiHu Tiendi in Hangzhou, China.

Building for the 21st Century is sponsored by the U.S. Department of Energy.

Was Kermit Wrong: Is It Easy To Be “Green?”
September 16, 2006
Learn about the ways homes are becoming “greener” or more environmentally friendly. Experience a walk through the Glidehouse, a life-sized replica green house. Then create your own green house using a recycled shoebox(es) from home — complete with a real grass roof that will grow in your window!

Building for the 21st Century
High Performance, Green Commercial Buildings
September 13, 2006
With 40 percent of U.S. primary energy consumed by buildings, companies large and small are implementing energy-efficient design and building strategies to reduce energy consumption. Helping companies navigate the complexities involved in making efficiency improvements is nonprofit organization Southface Energy Institute. Dennis Creech, co-founder and executive director of Southface Energy Institute, spoke about the benefits to and strategies for improving building energy consumption.

Building for the 21st Century is sponsored by the U.S. Department of Energy.
Lecture
David Hertz and the McKinley House—A Case Study in Green Residential Design
August 10, 2006
With so many technologies available to make a house sustainable—solar panels, geothermal heat pumps, recycled building materials, and more—deciding among these choices and incorporating them into an aesthetic design can be a challenge. David Hertz, principal of the Santa Monica-based firm David Hertz Architects/Syndesis and creator of Syndecrete, a “green” concrete, presented the design technologies employed in his McKinley House.

Construction Watch Tour: 1101 New York Avenue
July 22, 2006
In 2004, work began on 1101 New York Avenue, a glass and granite office building designed by Kevin Roche, a principal of Kevin Roche John Dinkaloo Associates and the 1982 Pritzker Prize laureate. The building’s structural system results in no perimeter columns, which allows a 21-foot cantilever on three sides of the 12-story building. This system and a clear glass curtain wall provide continuous 11 1/2-foot high windows on the façade. Sean Cahill, senior development manager with the project’s developer, Louis Dreyfuss Property Group, lead a tour of this 393,000-square foot project, which is seeking a gold level LEED certification from the U.S. Green Building Council.

Spotlight on Design: Stefan Behnisch
July 20, 2006
The co-founding principal and lead designer for the project, Stefan Behnisch, discussed his studio’s “green” building designs, including the Harvard Stem Cell Institute on the University’s Allston campus.

Spotlight on Design is sponsored by Lafarge, the largest diversified supplier of construction materials in North America. Additional support is provided by the National Endowment for the Arts.

Construction Watch Tour: Sidwell Friends School: A Green Learning Experience
July 9, 2006
The Washington campus of Sidwell Friends School is currently undergoing a major renovation and building phase including the expansion of the 1950s middle school to incorporate rain gardens, green roofs, and other environmentally friendly and sustainable practices throughout the 15 acre site. Sidwell Friends assistant head of school and CFO Michael Saxenian lead a tour of the project, which is seeking a platinum LEED rating from the U.S. Green Building Council.

Symposium
Prefabricated Houses–Good and Green Design
June 13, 2006
A growing number of architectural firms now combine the efficiencies of factory-built homes with the benefits of customized, green designs. The result is sophisticated architecture and interior design offered at reasonable prices which incorporates many environmentally-friendly features. Michelle Kaufmann, principal of Michelle Kaufmann Designs in California and creator of the Glidehouse™ featured in the Museum’s exhibition The Green House; Joseph Tanney, AIA, co-founding principal of New York-based Resolution: 4 Architecture, which designed the 2003 winning entry for the Dwell Home Design Invitational; and Michael Sylvester, editor of fabprefab.com, a virtual resource and newsletter for modernist prefab dwellings, discussed this growing housing trend.

Building for the 21st Century
June 13, 2006
Philip Fairey, deputy director of the Florida Solar Energy Center, discussed the challenges of getting past world oil peaking and dealing with global warming.

Building for the 21st Century is sponsored by the U.S. Department of Energy.
Construction Watch Tour: Fairfax Fire Station Goes Green
June 10, 2006
The Crosspointe Fire Station in Fairfax County, Virginia, aspires to achieve a Leadership in Energy and Environmental Design (LEED) silver rating. F. Thomas Lee, AIA, LEED AP, project manager with station designers Samaha Associates, lead a tour of the facility.

Smart Growth
Making Smart Growth: Work on the Ground
June 1, 2006
William Fulton—president of Solimar Research Group and senior scholar at the University of Southern California School of Policy, Planning, and Development, and a Ventura, California, City Council member—analyzed the political and technical difficulties many localities face when trying to implement smart growth.

School Programs

The Museum’s school programs inspire students to examine the people, processes, and materials that create buildings and places. Programs teach young people about the design process of identifying problems, imagining solutions, and testing them before constructing a suitable design. All programs are hands-on, meet national standards of learning, and help students gain a fresh perspective on their surroundings.

Green By Design
October 2006 – June 2007
What does it mean to build “green?” How do design, technology, geography, and economics affect the homes we build—past, present, and future? How do the choices we make about our homes impact the environment? Using the exhibition The Green House, students collaborate to create a definition of environmentally-responsible or “green” home construction. As they explore what makes a house green, students investigate innovative natural and synthetic materials. Working in groups, students construct green houses of the future for several different geographic regions. Similar to builders around the world, students must consider a variety of factors in planning and building their model houses, including the environment, cost, materials, and uses.

Be a Green Builder
October 2006 – June 2007
What makes a building stand up?
How do builders decide which materials to use during construction?
How can materials contribute to a more sustainable house?

Students become carpenters and use real tools to assemble an 8 x 11’ house from the ground up. While building, they learn about the hidden features that support buildings—foundations, wall frames, and trusses. Once the floor is completed, the walls are raised, and the roof secured, students can go inside the house and see firsthand how their hard work has paid off! A variety of building materials are presented and discussed throughout the program to introduce students to sustainable, or green, building choices. They weigh the pros and cons of building materials and explore how to select a material based upon factors such as strength, durability, appearance, cost, availability, and environmentally-friendly qualities.

The National Building Museum’s school programs are funded, in part, by generous grants from Fannie Mae Foundation, The Morris and Gwendolyn Cafritz Foundation, The Clark Charitable Foundation, and The Max and Victoria Dreyfus Foundation, among others. Additional support for Be A Green Builder provided Miller & Long Concrete Construction and James G. Davis Construction Corporation.

Outreach Program
Design Apprenticeship Program 14: Bringing in the Green
Saturdays, October 14 – November 18, 2006
The Museum’s fall Design Apprenticeship Program (DAP Squad) focuses on green design, as middle and high school students from under-served communities develop a project from conception to completion over the course of six sessions. Working on hands-on projects with experts in the design fields, students will create structures for the Museum using environmentally-friendly materials and principles. Their projects will be unveiled on November 18th at Greenovation: An Expo for the Home.

Design Apprenticeship Program is sponsored by the McGraw-Hill Companies. Additional support for outreach programs is provided by Fannie Mae Foundation, The Morris and Gwendolyn Cafritz Foundation, The Clark Charitable Foundation, and The Max and Victoria Dreyfus Foundation, among others.