



THE ASPEN  INSTITUTE
ENERGY AND
ENVIRONMENT
AWARDS
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Paepcke Memorial Building • Paepcke Auditorium • Monday, July 26, 2010



THE ASPEN INSTITUTE
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ENVIRONMENT
AWARDS
2010

The Aspen Institute Energy and Environment Awards were created in 2008 by the Aspen Institute Global Leadership Network to recognize and reward excellence for those making significant contributions to innovation, implementation, and communication of energy and environmental solutions.

These awards, presented annually, **are designed to draw attention to the organizations and people who**

are making the biggest strides, acting as leaders, catalysts, and educators, particularly at the critical nexus between energy and environmental problems and solutions. The object is to highlight achievement and provoke conversations about ways to emulate and expand upon the success stories honoured.

This year there are 5 awards recognizing excellence in the following categories: corporate innovation, non-governmental organizations, government, visual art & design, and individual thought leadership.

The winners were selected from out of all the nominations received in each category.

Thank you for joining us in honoring those taking a lead role in moving us toward a brighter, greener, and sustainable world.

The 2010 Aspen Institute Energy and Environment Awards Committee of Judges

- **Raj Atluru**, Managing Director, Draper Fisher Jurvetson
- **Sally Benson**, Executive Director, Global Climate and Energy Project, Stanford University
- **Ralph Cavanagh**, Senior Attorney and Co-Director, Energy Program, Natural Resources Defense Council
- **Bill Dirks**, Managing Partner, SD Resources LLC
- **John Francis**, Vice President, Research, Conservation, and Exploration, National Geographic Society
- **Hou Hanru**, Director, Exhibitions and Public Programs and Chair, Exhibitions and Museum Studies Program, San Francisco Art Institute
- **Jack Hidary**, Chairman, Global Solar Center
- **Bill Hogan**, Raymond Plank Professor of Global Energy Policy, Harvard Kennedy School of Government
- **Cara McCarty**, Chief Curator, Cooper Hewitt National Museum of Arts and Design
- **Eric Pooley**, Deputy Editor, Bloomberg Business Week
- **Peter Seligman**, Co-founder, Chairman of the Board, and Chief Executive Officer, Conservation International
- **Janet Echelman**, Member, Aspen Institute Energy and Environment Awards Board, and Artist, President, Janet Echelman, Inc.
- **Neil Jacobstein**, Member, Aspen Institute Energy and Environment Awards Board, and Chairman & CEO, Teknowledge Corporation
- **Lucy P. Marcus**, Member, Aspen Institute Energy and Environment Awards Board, and CEO, Marcus Venture Consulting

2010 Awards Presentation - Andrew Shapiro, Emcee Paepcke Memorial Building, Paepcke Auditorium | MONDAY, JULY 26, 2010

- Introduction by **Andrew Shapiro**, Founder and President, GreenOrder
- Aspen Welcome by **David Monsma**, Executive Director, Energy and Environment Program, The Aspen Institute
- Welcome by **Lee McIntire**, Chairman and CEO, CH2M Hill
- Presentation of the Corporate Innovation Award
- Presentation of the Government Award
- Presentation of the Non-Governmental Organization Award
- Presentation of the Visual Art & Design Award
- Presentation of the Individual Thought Leadership Award
- Recognitions by **Bill Dirks**, Managing Partner, SD Resources LLC
- Closing remarks by **Andrew Shapiro**
- Cocktail Reception

The Winners of the 2010 Aspen Institute Energy and Environment Awards

CORPORATE INNOVATION

Amyris Biotechnology

For disruptive solutions to chemical manufacturing and energy fuels challenges.

Amyris is an integrated renewable products company. Founded in 2003 and based in Emeryville, CA, Amyris is positioning itself to become a leading provider of renewable specialty chemicals and transportation fuels worldwide.

GOVERNMENT

Singapore, Building and Construction Authority

For development of significant new policies to enhance the sustainability of the built environment.

The Singapore Building and Construction Authority has focused its sustainable development revolves around 2 key components: (i) Green Buildings and (ii) Sustainable Construction. Together, these 2 components make up the entire life-cycle of the built environment. To change the status quo, the Building and Construction Authority has formulated two master plans which provide innovative solutions and guidance to the building and construction industry to address concerns of climate change and the environment.

NON-GOVERNMENTAL ORGANIZATION

Blue Green Alliance

For developing a unique labor-environmental collaboration dedicated to expanding the number and quality of jobs in the green economy.

Launched in 2006 by the United Steelworkers and the Sierra Club, the **Blue Green Alliance** now unites more than eight and a half million people in pursuit of good jobs, a clean environment and a green economy. The Blue Green Alliance works on issues ranging from energy and climate change to transportation to workers' rights and green chemistry.

VISUAL ART & DESIGN

Shigeru Ban - Design Partner, Shigeru Ban Architect

For highlighting and reframing our understanding of the structural and architectural elements of the built environment.

Shigeru Ban's Paper Tube Structures as both structural and architectural elements provide a new low tech, low cost, sustainable approach to building construction and design. Cardboard tubes employ material that has a reduced carbon footprint and is easily recycled after its intended use. Shigeru Ban has used them not only for refugee shelters but as exhibition buildings as well.

THOUGHT LEADERSHIP

Gretchen Daily - Professor of Biology, Stanford University

For pioneering the concepts of natural capital and ecosystem services that are revolutionizing the international science community and triggering a revolution in the public, private, and non-profit sectors.

Gretchen Daily played a lead role in launching The Millennium Ecosystem Assessment - "the IPPC for Ecosystems" - a global effort to characterize the status, production, and value of living natural capital. The idea is simple but powerful: people depend on natural capital for the stream of vital services it supplies, such as food, fuel, clean water, and flood control. If nature is properly valued, then we can greatly enhance investments in conservation and secure human welfare at the same time as we protect biodiversity.

About the Physical Awards:

Janet Echelman, internationally acclaimed sculptor and Aspen Institute Energy and Environment Awards Board Member, designed the awards being presented. The artist began with a model made from recovered old wood, then individually cast each award with molten recycled green bottle glass. With allusions to 20th century sculpture objects, Echelman creates a new icon, which she personally refers to as "the Green Globes", making reference to an award from the motion picture industry, adding, "but these awards only go to people who are working to save the planet."

Award Criteria: Corporate Innovation, NGO, and Government Awards

1. **Evidence of disruptive innovation.** This is the single most important criterion, focusing on evidence of disrupting the status quo, and offering a compelling and game changing solution.
2. **Tangible application potential or implementation results.** What are the actual results obtained so far, what concrete documentation on energy generated or saved can be provided. In other words, why does this project matter?
3. **Economic or environmental leverage, and net energy impact.** Does the project make good economic and net energy sense?
4. **Project replication potential.** Will the project will grow beyond a local implementation?
5. **Scale potential.** Will the project "move the needle" and reflect the massive size of the global problem?
6. **Independent evidence of accomplishments.** Is there independent evidence of outside review, evaluation, investment, or test results for the project?

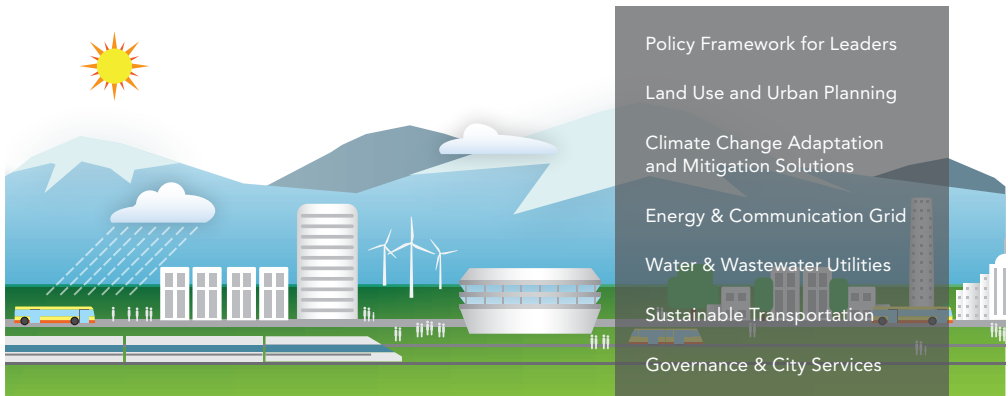
Award Criteria: Visual Art

1. **Artistic Quality.** The single most important criteria for the nominated project is artistic excellence. Artistic method should be fully integrated with use of materials to support communication of content.
2. **Evidence of Disruptive Innovation.** The work must show evidence of pioneering new perspectives and visions of environmental or energy solutions. The quality and depth of linkage to these solutions should also be considered.
3. **Potential for Impact and Influence.** While many projects show innovative approaches, does this work alter public dialogue in a way can contribute to a game-changing solutions? Does this have potential for wider influence or for replication on a larger scale?

Award Criteria: Thought Leadership

This award is for new ideas in energy and environmental problem solving. The award is intended to honor emerging leaders that provide innovative new concepts that will lead to disruptive energy and environmental solutions. Analytical evidence of the economic, environmental, and or net energy potential of these emerging ideas is critical to selection of the finalists.

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Sustainable Cities

Home to more than half the world's population, cities face complex and interdependent challenges.

CH2M HILL offers creative, practical, and holistic solutions that support existing ecosystems in ways that benefit communities and the environment.