AIA and Sustainability
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“Through cooperation and coordination on the issues impacting the entire building community and the pursuit of high-performance buildings, the Institute and AIA can work towards improving our nation’s buildings.”

- AIA and NIBS signed agreement in February 2012 to identify key areas of collaboration
- On-line portal for building industry research and knowledge
- Collaborate on an industry summit elevating awareness and understanding of how design adds value to the building process
Technical Design for Building Performance

Knowledge Community

**WHY?**
- Courses with the most interest are about Building Science & Performance
- Followed by Environmental & High Performance Design

**HOW?**
- Awareness | Communication
- Practice Resources
- Networking | Mentoring
- Advocacy
In May of 2004, the AIA and NIBS signed an agreement forming the Building Enclosure Councils (BECs).

Mission is to promote building enclosures that are energy efficient, sustainable and durable in order to support the AIA’s fossil fuels emissions reduction goals.

In May 2011, identified ways the two organizations can better engage BECs to provide knowledge to our respective membership to better support the affiliation among architects, engineers, contractors, and manufacturers.
Path Towards High Performance Design

DESIGN

ENERGY

GEOMETRY
Energy in Design

Push the Envelope

www.aia.org/das
The AIA and the IgCC

Who, What and Why?
IgCC Task Force – Creating the AIA Guide to the IgCC (Version 1.0)

Practice Impacts

- Expanded scope of services
- Expanded responsibility for compliance verification
- New criteria to be learned and applied, either as in-house expertise or using non-staff consultants
- Compels architect to increase conversation(s) with owners and building officials
- Help local governments incentivize green construction in their communities

- Provide practice examples and a focused analysis on effective strategies

- Most attractive incentives are tax incentives, density/floor area ratio bonuses, and expedited permitting
- National initiative for firms to transform approach to practice
- Implement firm operational action items to reduce impact
- Develop sustainability action plan
- Report annual progress of design portfolio

www.aia.org/2030commitment
Focus on Measuring and Tracking Entire Design Portfolio
56 Firms Submitted Annual Progress Reports

Firm Breakdown by Size

- 2-4 (1)
- 5-9 (4)
- 10-19 (5)
- 20-49 (3)
- 50-99 (15)
- 100-499 (18)
- 500-999 (6)
- 1,000+ (4)

Percentage of Active Projects Meeting the Current 60% Goal:

- 12.1%

Firm PEUI Percentage Reduction from Average FUI:

- 35.1%

GSF of Active Projects Reported by Firms:

- 384.9 Million GSF

Largest % GSF of Active Projects Meeting Goal Reported by a Firm:

- 69.8%

Smallest % GSF of Active Projects Meeting Goal Reported by a Firm

- 0%

Largest PEUI Reduction Reported by a Firm:

- 70.6%

Smallest PEUI Reduction Reported by multiple firms:

- 11.6%

AIA
AIA/ COTE Top Ten Green Projects Awards

The Top Ten Green Projects program seeks to identify and recognize the benefits of a high performance, sustainable design approach; to educate the architectural community and the public at large on the increased value that sustainable design provides for developers, building owners and occupants; and to acknowledge architects as experts in the creation of energy conscious and environmentally responsible design solutions. AIA/COTE advocates a holistic definition of sustainable design that integrates performance, aesthetics, community connection, and stewardship of the natural environment.
“This collection of projects is an example of buildings that are beautiful because they work. The profession needs to look at these projects as a way to move forward in the future with an eye towards great design and great performance across a really wide range of building types, scales, and budgets. “

2011 Trends

- Increased recognition of projects solving complex urban issues
- Projects include a strong sense of social awareness and community engagement
- Focus on getting to carbon neutral the “right way” – by reducing loads and programming first
- Projects feature architects as advocates

www.aiatopten.org
Design Adds Value

- AIA/NIBS MOU
- TDBP Knowledge Community
- AIA/BEC Agreement
- Energy Modeling Practitioners Guide
- DESIGN: Art + Science
- IgCC Guide Book
- Local Leaders in Sustainability
- AIA 2030 Commitment
- AIA/COTE Top Ten Green Projects Awards

www.aia.org/sustainability