



COLORADO BUILDING GREEN

October 2005

The official newsletter of the U.S. Green Building Council - Colorado Chapter

Green Leaders

Colorado's Thought Leaders Speak Out on Green Design

Julee Herdt, Associate Professor of Architecture, University of Colorado

by Rita Mann

Second-time Champions of Solar Decathlon Produce Green Home for the Masses

Students at the University of Colorado (CU) shared a common dream: to build a Zero Energy house that could be marketed to people everywhere. They wanted the house to be an affordable, attractive and eco-friendly alternative to traditional housing. They christened it the BioS(h)IP.

Their dream was realized when the 750-square foot home built on a mobile home chassis with eight wheels was hitched to a bio-diesel fueled truck. The destination: the National Mall in Washington, D.C., home to the National Solar Decathlon, sponsored by the U.S. Department of Energy.

Their dream was rewarded on October 15.

They were honored as two-time champions of the Decathlon's Gold Medal award. They competed against 17 teams from the United States, Canada and Europe, including Cornell, Carnegie Mellon and Virginia Tech. The CU team won the first-ever Decathlon in 2002.

No one was more proud of the team and the award than Julee Herdt, Principal Investigator and Architecture Faculty Advisor for the 2002 and 2005 Solar Decathlon entries. She teamed with Engineering Professor Mike Brandemuehl on both projects. Herdt is professor of Architecture at CU and architect/owner of Ground Up Archi-



Computer rendering

tecture, Inc., a non-profit organization.

Herdt's research findings on environmental material applications were used to build BioS(h)IP. She was pleased that the student's design included "new resources" made from waste materials. "Using waste resources in construction is a way for us to positively impact two problems at once: environmental and waste management."

CU students in architecture, engineering and environmental studies labored over the BioS(h)IP's design and development for three years. Highlights of the home include:

- Ranked as Colorado's second Zero Energy home, which is a home that produces more energy than it consumes.
- Exteriors made from marine grade plywood (painted red) and recycled steel.
- A patent-pending structural insulated panel system, called BioSIPs made from forestry by-products and agricultural waste, including wastepaper and soy. Herdt established the patent collabora-



Julee Herdt with students and house model

Green Leaders

Julee Herdt, Associate Professor of Architecture, University of Colorado

Continued



University of Colorado Solar Decathlon Entry

tion for BioSIPs between CU and the United States Department of Agriculture.

- Cabinets and furniture made from fast-growing bamboo.
- CU's Photovoltaic (PV) system, which uses thirty-four 200 watt panels to achieve an average of 15 kWh per day.
- Green construction materials including the recycled metal and wood and agricultural waste feedstocks, such as wheat, soy, corn and flax.
- Low-to-no volatile organic compound

paints and cleaning materials.

- Interiors include a living room, kitchen, bedroom, bath, home office, sleeping loft, storage room, battery room and mechanical room, known as the "solar hearth."
- Accessories, lighting and finishes included a coconut greeting mat, buckwheat pillows, sugar cane serving tray, a window sill made from sunflower seeds, bamboo halogen light fixtures, countertops made from wastepaper, cork walls and Forbo linoleum floors.

- A movable roof permitting clerestory windows and a vaulted ceiling.
- Radiant floor heating and a waterless compost toilet.
- An ADA-compliant kitchen sink and dining counter.
- Heat mirror windows and insulation made from blue jeans.
- A gray water irrigation system for landscape watering.

While in D.C., Mother Nature delivered gale force winds and rain to test the strength of the BioS(h)IP's construction – it faired beautifully. Not only is the home green and strong, it's mobile (it folds down "like a suitcase" for easy traveling) and affordable. The prototype cost \$250,000 to build.

For Herdt, the BioS(h)IP represents something greater than its parts. It represents a dream "to put green housing in the hands of all Americans, regardless of income. You don't have to have a lot of money to have a healthy home." Her advice to others who want to make a difference in our environment and lifestyles is to "stay true to your values, don't be swayed, find a focus and stay strong."

The BioS(h)IP will be coming home to the CU campus in Boulder in November. The home was pre-sold to Prospect New Town in Longmont. Tours open in spring 2006. For additional information about BioS(h)IP, go to <http://solar.colorado.edu/> or contact Julee Herdt at herdt@ecoisp.com.

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University of Colorado Solar Decathlon House Under Construction

Chapter News



Chapter Committee Updates

by Annette Stelmack, Associates III, Chapter President

Chapter Board Meetings

annette@associates3.com

The board of directors typically meets on the first Monday of the month from 4:00 – 5:30 pm. If you want to attend, please check the location of the monthly program on our chapter website, our meetings are held before the networking starts.

Our Board meetings are open (although we may on occasion have a closed discussion if there is a potential conflict of interest on an issue) and we welcome your input on a non-voting basis.

The Chapter Board held its annual planning meeting on October 7, 2005. It was an energetic exchange of vision, brainstorming and planning for the years to come. A sincere thank you to the board, committee chairs and committee volunteers for their dedication to our success & progress! The following are a few highlights reflecting advances in 2005:

- Grant received from national for Executive Director with plans for hiring by November 1st in place
- Consistent monthly membership meetings with excellent programs
- Our Board meetings are open (although we may on occasion have a closed discussion if there is a potential conflict of interest on an issue) and we welcome your input on a non-voting basis
- Greenbuild 2006 planning: ground-work & foundation have been set. Verbal recognition from national that we are the most proactive active Greenbuild Committee to date without hired staff
- Content rich monthly newsletters

- Development and sales of updated LEED-NC version 2.1 study guide
- Growth of EGB
- Legislative influence
- Collaboration with other organizations in the state
- Board successors will be taking place the end of this year following elections
- Broader, diverse membership
- Passionate, unparalleled level of commitment from the board and volunteers

Communications Committee

tom.hootman@rnldesign.com

- Ongoing Chapter communications include monthly newsletter, bi-monthly email bulletins, website updates, program flyers and special email announcements.
- Current events are now being posted on our website calendar and a new and improved web calendar is under development
- A special “Colorado Green Future” edition of the newsletter is in progress, please let us know if you are interested in participating in this effort
- The communications committee is looking for volunteers with graphic design or web design experience - contact Tom Hootman if you would like to contribute

Education Committee

lyarmuth@domanisc.com

- If you are interested joining the Emerging Green Builders (EGB) or finding out more about the monthly “Greendrinks” social event contact Ashley Muse, Ashley@ensargroup.com or Stephany Taddeo,

sctgreendesign@comcast.net

- For posting jobs/internships please contact Amanda Portman, amandaportman2@hotmail.com
- Updated version of the LEED Study Guide is available. If you are interested in purchasing a copy please contact Adam Wright, silver@adamblakewright.com
- The following items are in progress:
 - o Colorado LEED Guide
 - o Ongoing updates of Selecting Green Professionals and Materials Matrix
 - o Legislation efforts
 - o Educational modules including for modeling workshops
 - o Colorado Green Building Video
 - o EGB monthly “Greendrinks” social event & evening program
 - o Green Advantage trainings
- If you are interested in helping with any of the following items, please contact Lauren Yarmuth, lyarmuth@domanisc.com or Ashley Muse, Ashley@ensargroup.com
 - o Case study template
 - o Teachers for LEED Study sessions needed
 - o Cascadia Study Cards collaboration
 - o LEED workshop
 - o Recommendations for greening codes
 - o EGB sponsors for GreenBuild
 - o Sponsors for EGB Reference Guides
 - o Updating chapter presentation

Events Committee

vasatkae@ci.boulder.co.us

- Developing partnership and fundraising guidelines to collaborate with other



Chapter News

Chapter Committee Updates

Continued

organizations on future conferences.

- Retrieving contacts from cities and counties throughout the state from the list developed by the Collaboration Committee.
- Please forward me any information from organizations wanting to partner with the Chapter with missions' similar to USGBC's
- Developing ideas and plans for the spring event including venues, keynote speaker, entertainment, catering, bartending, etc...

Greenbuild 2006 Committee

mhaughey@earthlink.net

- USGBC Colorado /Citizens Greenbuild 2006 Committee meets on the second Tuesday of the month at the Alliance Center, 1536 Wynkoop St., 3rd Floor Conference Room from 4:00 – 6:00 p.m.....all are invited to attend! The committee roles & responsibilities are posted on the USGBC-Colorado web site; check it out and let us know if you are interested in joining in the fun!
- All committees have been working hard on further planning for 2006, big thanks from all of us! The PR/Media & Host Committee has been working diligent in preparation for Atlanta. The video production is almost complete, a wonderful representation of our beautiful state. The booth is also shaping up nicely with exquisite images from John Fielder... come visit us in the Atlanta at the Colorado booth, a gathering place for all!

Membership Committee

janet_pogue@gensler.com

- A big thank you to our members who completed the Zoomerang survey! We appreciate your input and will be post-

ing the results shortly.

- Chapter Member name tags have been updated to reflect active memberships to your local chapter; look for yours at the next chapter meeting!
- Contact Janet if you are interested in a membership packet.
- Membership Update:
146 members as of September 29, 2005, including 62 new member or renewals year to date. Current Membership Mix: 62% Members; 20% Associates; 18% Students

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LEED Update



You Do the Math: A37+EPACT2005=Pv4C0

by Renée Azerbegi, Ambient Energy, Inc. – Solar and Sustainable Design Solutions

As President of the Colorado Renewable Energy Society, I want to make the design community aware of new developments in solar and renewable energy. CRES's Annual Tour of Solar Homes held in early October had five times more people attend this year than just last year in Colorado. Why you might ask? Well there are several reasons: Hurricane Rita and Katrina and resulting increases in natural gas and electricity prices; a cold winter forecasted to require more fuel; desire to be grid-independent due to blackouts; and solar tax incentives at both the Colorado State and Federal level.

And here is the latest forecast from USA Today "U.S. households can expect to pay sharply higher monthly heating bills this winter, with the increases ranging from 45% to 90% in much of the country, utility companies and weather forecasters warn." (Elliot Blair Smith, Friday October 7, 2005). Many are convinced that the scarcity and expense of fossil fuels will only continue to increase. At the same time, solar companies are growing at a tremendous rate.

As you may remember, voters passed Amendment 37 (A37) last year which requires solar electricity (photovoltaics also commonly referred to as PVs) and wind to be part of the mix for publicly owned utilities in Colorado, namely Xcel and Aquila. There is an option for investor owned utilities to opt out of the solar requirement of Amendment 37, which unfortunately IREA decided to do. However, if you are in the Xcel or Aquila (serving Pueblo) service territory, you will receive a tax rebate of \$2 per Watt or more for commercial solar photovoltaic systems and estimated to be \$4 to \$5 per Watt for residential solar photovoltaic systems. The details should be finalized by the end of this year. To put this in perspective, a typical photovoltaic system costs about \$8 to

\$10 per Watt installed.

Add to this the Energy Policy Act (EPACT2005) signed into law on August 8th 2005, which despite offering hefty subsidies for the fossil fuel and nuclear industries, did throw a dog a bone by passing a few short term environmental measures. "I'm confident that one day Americans will look back on this bill as a vital step toward a more secure and more prosperous nation that is less dependent on foreign sources of energy," Bush said in a signing ceremony. Not everyone agrees with this rosy assessment, however. Almost unanimously decried by the environmental community, the act will save only about 2% of U.S. energy use in 2020, according to the nonprofit American Council for an Energy-Efficient Economy.

But with blinders on to the bigger fossil and nuclear allowances, the solar and renewable energy incentives of EPACT 2005 look bright. For commercial users, there is a tax credit of 30% of the cost of a solar system (photovoltaic, concentrating solar power, solar hot water) for 2006 and 2007. There is no limit on the solar system size, provided the owner has enough tax liability. The amount of the credit reverts to the typical 10% after 2007.

Accelerated depreciation (MACRS) also has tax benefits for a business. John Archibald of American Solar values this at

an additional 16% of initial solar system cost.

For residential units there is a 30% tax credit off the cost of a solar system (photovoltaics and solar hot water heating) for 2006 and 2007 up to a maximum of \$2000. See summary in Table 1. The Federal tax credit takes place after the state incentives are taken out, so for a \$10,000 PV system with a \$5,000 state rebate, the federal tax credit is 30% of \$5,000 or about \$1,500.

So, for a typical residential size photovoltaic system of 1 kW (assuming an on-grid system which doesn't need a battery bank, and doesn't need to be sized to power the whole house), a \$10,000 photovoltaic system to provide electricity for this house will on April 15th yield a \$4000 state rebate (remember the \$4/Watt is an estimate until it's final) and the homeowner would realize a federal tax credit of 30% of the remaining \$6,000 or \$1,800. The homeowner ends up paying \$4,200.

For solar water heating systems, a typical residential system of 80 sf might cost \$6,000 –now it will only cost \$4,000, after the \$2,000 Federal tax credit.

Since solar systems are so expensive, it is typically more cost effective to install efficient appliances first such as compact fluorescent lighting, Energy Star appliances and electronic equipment. Don't forget

Business Credit vs. Residential Credit

	Old Incentive	New Incentive	Credit window	Cap	Eligible technologies
Business credit	10%	30%	1/1/06 - 12/31/07 at 30%; reverts to permanent 10% thereafter	No cap	PV, CSP, solar hybrid lighting, solar domestic water heating (excluding pool heating)
Residential credit	None	30%	1/1/06 - 12/31/07	\$2,000 per system/ for each solar technology	PV, solar domestic water heating (excluding pool heating)

Table. 1 Business and Residential EPACT 2005 Tax Credits.
Source: Solar Energy Industries Association



LEED Update

You Do the Math: A37+EPACT2005=PV4C0

Continued

efficient shower heads, clothes- and dish-washers which save both energy and water, and more. Studies have found that simple changes in behavior such as turning lights off have saved almost as much energy as equipment retrofits.

So how does all of this tie into LEED, you might be wondering? Well for LEED for New Construction version 2.1, there are specific credits for 5%, 10%, and 20% Renewable Energy (but only renewable electrical energy such as wind and photovoltaics apply). You can also offset the energy produced from photovoltaics, passive solar, solar thermal systems, wind systems in the Optimizing Energy Efficiency Credit. So if you are using photovoltaics or wind, you can get LEED points based on two LEED credits. It has typically been quite difficult to afford 5% or 10% of on-site renewable electricity from photovoltaics, but now that a large portion of the system cost will be offset by incentives, it is much more likely to obtain these credits. Also, for LEED for New Construction version 2.2, solar thermal applications such as solar water heating and solar ventilation preheat, which are typically more cost effective than photovoltaics, also apply. According to the USGBC. "The requirements have been revised to allow solar thermal systems to contribute to this credit. Additional guidance on calculations and definitions will be provided in the Reference Guide." Also, the percentage reduction of annual energy cost compared to the base case requirements have been reduced, partially because of the new more efficient ASHRAE 90.1-2004 base case building (Table 2).

For the next couple years, there will be significant tax incentives for solar systems. I hope you consider installing a solar system on your next building project, while incentives last!

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Credits	Version 2.1	Version 2.2
1	5%	2.5%
2	10%	7.5%
3	20%	12.5%

Table 2. EA Credit 2, Renewable Energy

Emerging Green Builders Forum



Spotlight Emerging Green Builder

Josie Plaut

by Ashley Muse, Ensar Group

We are starting a new section of the EGB Forum which will highlight the work and/or involvement of one of our EGB members each month. If you would like to participate, or know someone interesting who may, please contact me at Ashley@ensargroup.com.

Josie Plaut is a graduate student at Colorado State University working toward a Masters degree in Construction Management with an emphasis in Sustainable Building. She is developing a thesis that examines how key individuals within the building industry come to adopt and champion sustainability. In addition to pursuing her education, Josie is currently working as a Research Associate for Institute of the Built Environment at CSU, as a consultant with DOMANI Sustainability Consulting, and is teaching a 400 level course in Sustainable Practices in Design and Construction. I interviewed Josie to find out more about the subject of her thesis.



Josie Plaut

What is the subject of your thesis?

My thesis is an investigation into how key individuals within the building industry come to adopt and champion sustainability. The study focuses on people who have been influenced and inspired by a pivotal experience and have used that experience to influence organization change. Pivotal experiences are characterized as vivid peak experiences that cause enduring personal transformation. People who have had pivotal experiences are able to identify a specific time, place and/or event that transformed their relationship to sustainability. These experiences tend to have significant influence over the

direction and focus of an individual's life and career. It can empower a person to take the risks and have the required dedication to lead their companies through major changes related to becoming more sustainable. I believe a very high level of dedication is necessary to lead an organization through the change process and truly incorporate sustainability into the fabric of an organization.

How will you research this subject?

I am working to identify a pool of individuals that have had a pivotal experience related to sustainability and hope to represent a cross section of the building industry, including designers, engineers, builders, owners, manufacturers, and developers. I will conduct 10 to 12 in-depth interviews about such experiences and the effect it has had on them personally and the organizations they work in.

What characteristics are you looking for in an interviewee?

I am looking for individuals who have experienced a significant shift in their mindset to embrace sustainability and have then used this experience to catalyze change within the organization they work for.

Ray Anderson, President of Interface Flooring, is an excellent example of how a personal pivotal experience resulted in organizational change. As a founder of one of the largest manufacturers of commercial carpeting in the world, the extent of Mr. Anderson's environmental concern was once limited to sourcing the raw materials and resources needed to create Interface products. In response to customer inquiries on environmental issues, the company created an environmental committee and Mr. Anderson was asked to give a kick-off speech to the committee. Never having considered much about the environment or sustainability, he was unsure how to address this committee and was somewhat dreading the event. Coincidentally, a copy of Paul Hawkin's Ecology of Commerce ended up on his desk. While reading the book, the words on the page ignited a self-proclaimed epiphany. Not only did this experience change him personally, it inspired him to change the entire company to become leaders in sustainable manufacturing. Anderson's experiences is outlined in his book, "Mid-Course Correction."

Why is this subject interesting to you?

It builds on my longstanding interest in the adoption of sustainability. Considerable research has been done on organizational change. And the research agrees that regardless if the ideas to change come from the bottom or the top, eventually upper management and other key individuals must buy into the change initiative. What is unclear is how these individuals come to adopt a new paradigm. Unlike organizations which change gradually, individuals often have remarkable and life changing experiences that can occur in a matter of moments.

What questions are you hoping to answer through this research?

I aim to explore the triggers for and circumstances surrounding pivotal experiences and generate descriptions of the experience itself. I want to understand the nature of a person's relationship to sustainability prior to and after a pivotal experience and determine the degree of impact it has on a person's life and on the organization they are a part of. The information and ideas generated from this study will be of potential interest to change agents and others seeking to influence change toward sustainability. When the thesis is complete, I hope to extract a paper and presentation to share my research with others.

How has your own relationship with sustainability impacted your career as an emerging professional?

As a young professional, I had to have a lot of faith that sustainability would be a viable career option. It's kind of uncharted territory and not everyone always believed (even me sometimes) that I could make a career out of it. I have found that the rewards and opportunities that have resulted have far exceeded my expectations. Many people in the building industry tip-toe around issues related to green building. I feel that more potential is realized and real change results when you completely immerse yourself in the ideology of sustainability.

How can someone participate in your research?

If you or someone you know has had a pivotal experience and would like to find out more about how to participate in this study, please contact me at josieplaut@yahoo.com.



Local Green News

Signature Centre

by Steve Grund, Aardex Corporation

Aardex Corporation to build green office space in Denver West

Aardex Corporation, a nationwide, full service developer, construction manager and property services firm, will build the first new Class A office space on the west side since the '90s.

Master planned by internationally known architect Binh Vinh, Aardex principal and vice president of design, the \$40 million, 185,000 square foot Signature Centre will offer state-of-the-art features. The office building will also feature User Effective concepts based upon the philosophy of "Return on People" developed by Aardex founder and CEO Rick Butler. Building design is currently under review by Jefferson County.

A one-acre park located at the point of the property will complement the highly efficient and environmentally compatible office building. Under-floor air, flexible modular buildings systems, individual temperature and lighting controls, sunshade and generous daylight, and use of natural non-toxic materials are some of the sustainable features of the custom design suites that range in size from 2,000 – 165,000 square feet. To date, there is interest in 100,000 square feet of space from multiple firms, 20,000 of which will become Aardex's new headquarters.

"The innovative design of Signature Centre has been created to boost our tenant's profits and tailor workspace to increase productivity," said Butler. "The User Effective workplace contributes to boosting the bottom line. Temperature and lighting issues are paramount, but



Rendering of the Signature Centre

so are privacy, safety and the ability to change and adjust your space as your business grows."

Aardex anticipates breaking ground January 2006, with completion slated for September 2006. Office space will be available for sale or lease. Aardex will design, build and manage the property.

"Signature Centre will add a new dimension to Denver West. With its innovative design and potential for office condominium sales, this is an exciting development for the office park and the west side," noted Greg Stevinson, president of Denver West Realty and developer of the Denver West office park. "Additionally, Aardex will work in conjunction with our team to build open space adjacent to the building that not only reflects

the historical feel of the Denver West office park, but provides tenants and their employees with a beautiful office location."

Founded in 1983, Aardex Corporation is a nationwide, full service developer, architect, construction manager and property services firm based in Denver, Colo. A recognized leader in build-to-suit User Effective workplaces, Aardex focuses on building structures that are sustainable, economical, efficient and humanistic. Founder of Aardex Corporation, Rick Butler, authored the book "User Effective Buildings," which clearly defines the link between use of space and productivity.

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Colorado LEED Projects

Certified Projects

BUILDING	CITY
Sundeck Restaurant (1.0 Bronze)	Aspen
CH2M Hill South Building (V2 Certified)	Englewood
CH2M Hill West Building (V2 Certified)	Englewood
CH2M Hill North Building (V2 Certified)	Englewood
North Boulder Recreation Center (V2 Silver)	Boulder
Boulder Community Hospital (V2 Silver)	Boulder
U.S. Department of Transportation (V2 Silver)	Lakewood
Denver Place (LEED-EB 1.0 Gold)	Denver
Russell T. Tutt Science Center (V2 Certified)	Colorado Springs
Snowmass Golf Clubhouse (V2 Silver)	Aspen
Colorado Springs Utilities Laboratory (V2 Silver)	Colorado Springs
Fossil Ridge High School (V2 Silver)	Fort Collins
University of Denver, College of Law (V2 Gold)	Denver
Belmar 2M3 (V2 Silver)	Lakewood
State of CO Dept. of Labor and Empl. (V2 Cert)	Denver

* New!



State of Colorado Dept. of Labor and Employment Addition
Architect: David Owen Tryba Architects

Membership Update

Welcome New Colorado Chapter Members!

October

Sue Reilly
Richard De Campo

Welcome New Member Organizations!

October

UCCS,
Colorado Springs
JC Johnson Architects,
Denver



VISION

Promote responsibility for Colorado's environmental legacy.

MISSION

Advance and promote sustainable planning, design, construction and operation of the built environment through education, improving industry guidelines, policy advocacy, and information and resource sharing.

BOARD OF DIRECTORS

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Colorado Building Green is the official newsletter of the U.S. Green Building Council – Colorado Chapter, and is published monthly. The newsletter is distributed electronically via e-mail. To add or remove your name from the mailing list, or to submit story ideas and other information for publication, please contact the editor at tom.hootman@rnldesign.com.

Get Involved!

Join a Committee

The USGBC Colorado Chapter needs your help to create high-quality educational programs, events and communications to take the Chapter to the next level. We have established a number of committees that meet monthly to provide direction and input to the Board of Directors and help advance the goals of the Chapter. If you are interested in participating, please contact the appropriate committee chair listed below:

Committee	Chair	E-Mail
Collaboration	Kristi Ennis	kennis@boulderassociates.com
Communications	Tom Hootman	tom.hootman@rnldesign.com
Education	Lauren Yarmuth	lyarmuth@domanisc.com
Events	Elizabeth Vasatka	VasatkaE@ci.boulder.co.us
Finance	Carol Blaha	cblaha1219@aol.com
Greenbuild 2006	Michael Haughey	mhaughey@earthlink.net
Membership	Janet Pogue	janet_pogue@gensler.com
Programs	Michael Haughey	mhaughey@earthlink.net

Learn more about Chapter committees by following the "committees" link on our Chapter website at www.usgbc.org/chapters/colorado. If you have additional questions, feel free to contact any of the committee chairs listed above or the President of the Board, Annette Stelmack, at annette@associates3.com.

Sponsors

Your 100% volunteer staff has been working hard and long to see this goal of a local Colorado USGBC chapter. Your donation helps green building move from innovative idea to factual reality. Much more is needed to meet our goal. Support from our members and sponsors will enable us to expand current programming while developing additional funding (including grant) opportunities.

Thank you to these sponsors for in-kind donations during August!



USGBC Colorado Chapter Sponsors



Greenbuild 2006 Co-Chair Sponsors

Thank you for your support of the Colorado Chapter Greenbuild 2006 Committee by sponsoring committee co-chairs to attend Greenbuild 2005. The first hand experience and interaction with the Atlanta team will be a valuable asset to our local committee as we continue to prepare for Greenbuild 2006 in Denver!



ASSOCIATES III

Interior Design

At Associates III, we have been providing Interior Design services for more than thirty years, working primarily with custom homeowners, private residential developers and boutique hotel properties. We have dedicated ourselves to impeccable service, integrity in our practices and a team approach to each and every project.

We are committed to creating beautiful and sustaining environments that enhance quality of life. Our expertise extends from research, design and documentation of fixed and architectural interior finishes, to design and procurement of furnishings and everything in between.

Our clientele extends around the world. We are experienced in nurturing long distance relationships; it is a priority for us to effectively communicate with our clients and team members regardless of where the project is located.

We seek to align ourselves with like-minded teams who work within an earth-friendly design philosophy; we actively seek projects that integrate healthy, sustaining designs for clients who value environmentally conscious interiors.



Blender Products, Inc.

Blender Products, Inc. has a single focus of providing engineered air mixing systems and equipment. For over 40 years the Colorado based company has provided air mixing solutions to thousands of HVAC customers around the world. The company's commitment is to partner with the customer to ensure that the mixing system operates as designed.

The Air Blender static mixer saves energy by allowing economizer systems to operate as designed allowing free cooling during subfreezing outdoor air temperatures when many economizer systems are abandoned due to nuisance freeze stat trips. Furthermore, the static mixer ensures that the fresh outside air is more evenly mixed with the return air before being delivered to supply diffusers downstream ensuring better distribution of ventilation air to occupants.