



Iowa Chapter

# U.S. Green Building Council Iowa Chapter Newsletter

## USGBC Iowa Chapter Monthly Program & Lunch:

### Seminar Course: Can You Hear Me Now?

Modern building design utilizes advances in systems, materials, manufacturing, and construction techniques to produce buildings that use less energy, with materials that are more sensitive to our environment (both inside and outside). However, acoustics, noise, and vibration issues are on the rise. There is a perception that a sustainable building is "harder" and "noisier" than traditional buildings. Building designers and owners must be aware of potential acoustics, noise, and vibration issues in the design of new buildings and ensure that designs incorporate the needed features to address these potential issues. The USGBC recognizes the need for Owners, Architects, and Engineers to consider the room acoustics and noise

isolation of buildings and has established acoustical criteria in several LEED rating systems. This seminar explores the acoustical criteria in LEED and how these apply to architectural and engineering design. Course participants will first develop a common understanding of acoustical concepts via a brief introduction to basic theory including live demonstrations, and then will dive into the criteria established in LEED for Schools, LEED for Healthcare, and the new pilot credit for acoustics. Case studies and example projects will highlight course concepts. The target audience is Owners, Architects, and Engineers who want a deeper understanding of the acoustical criteria in LEED and how to apply course concepts and design strategies discussed to LEED projects.

### AUGUST PROGRAM:

**When:**  
Wednesday, August 24  
11:30 a.m. - 1:15 p.m.

**Where:**  
KJWW Engineering Consultants  
2882 106th Street  
Urbandale, IA 50322

**Registration:**  
\$5 - \$30 based on membership status and lunch option. No brown bag option for this seminar.

To register, [click here](#) OR log onto [www.usgbc-iowa.org](http://www.usgbc-iowa.org).

*NOTE: Registration closes August 23*

- NOTE:**
- Seating is limited to 24 people.
  - Course is being submitted for 1.5 hours GBCI credit

## SAVE THE DATES



### Green Schools: K-12 Symposium

Presented by the U.S. Green Building Council Iowa Chapter  
Wed. October 19, 2011  
11:15am—1:15pm  
Des Moines, IA

More details to come soon!

### USGBC Iowa Chapter Annual Membership Meeting

Wed. November 16, 2011  
10:00am—3:00pm  
9:30am—registration / refreshments

Neal Smith National Wildlife Refuge  
9981 Pacific Street  
Prairie City, IA 50228-7820

AUGUST 2011

[www.usgbc-iowa.org](http://www.usgbc-iowa.org)

## UPCOMING SUSTAINABLE EVENTS

### AUGUST

4 - FREE WEBINAR  
Iowa Association for Energy Efficiency Webinar *HVAC SAVE*  
~ 12:00pm—1:00pm  
~ More information [here](#)

18 -  
COSC Workshop: *Lessons in Home Maintenance*, FREE  
~ 11:30am—1:00pm  
~ Windsor Heights Community Center  
~ Visit [www.icosc.com](http://www.icosc.com) for more info. and to register

24 -  
Monthly Program & Lunch  
~ 11:15 p.m.—1:15 p.m.  
~ KJWW Engineering Consultants

25 -  
GreenDrinks  
~ 5:30 p.m.—7:30 p.m.  
~ Gateway Market Cafe

For a complete list of upcoming events and more information, visit the Iowa USGBC website, [Calendar of Events](#).

Submit events to [usgbc-iowanews@gmail.com](mailto:usgbc-iowanews@gmail.com)

## Moving Planet Event



The USGBC Iowa Chapter is a supporting group of the Moving Planet Event to be held in Des Moines starting @ 11:00 am on *Saturday, September 24*. It will convene at the State Capitol on bikes, ride a route in the downtown

vicinity past a number of sites still to be determined (energy-efficient buildings, renewable energy projects, etc), and finish at Mullet's. More details to come soon! For more information, visit:

[www.moving-planet.org/about](http://www.moving-planet.org/about)

[www.moving-planet.org/events/us/des-moines/691](http://www.moving-planet.org/events/us/des-moines/691)

[www.facebook.com/event.php?eid=195520060503098](http://www.facebook.com/event.php?eid=195520060503098)

## 2nd Annual ARAG Green Fair

USGBC Iowa Chapter will have a booth at this year's ARAG Green Fair.

*Friday, September 30, 2011*

*11:00am—2:00pm*

*Capital Square Atrium, 400 Locust St., Des Moines*

Meet your friends at the ARAG Green Fair and discover eco-friendly products that are safe, healthy and cost-effective — all while making a difference to our environment. New this year, the Iowa Health System Stage will feature demonstrations on sustainability and the impact on public health, free samples, giveaways and more! This free event is open to the public. Mark your calendar today!

For information on the Fair, visit

[www.araggroup.com/about-arag/arag-green-fair.htm](http://www.araggroup.com/about-arag/arag-green-fair.htm)

## NEW IOWA STATE UNIVERSITY LEED BUILDINGS

### Hach Hall

Some of the sustainable design and construction features in Iowa State's new chemistry facility include:

- Use of natural daylight throughout to minimize artificial lighting -- including natural lighting in all offices
- Occupancy sensors to automate artificial lighting.
- Low-flow fume hoods equipped with sensors for fewer air exchanges when labs aren't occupancy.
- Roof rainwater is collected in a cistern and used to flush toilets and urinals

Ninety-seven percent of the construction waste generated during the project (about 5,400 tons), including existing building demolition, was



recycled, and about 18 percent of the construction materials used in Hach Hall contain recycled materials. The building is calculated to be 47 percent more energy efficient than if it was built to existing code.

### Biorenewables Research Laboratory

About 28 percent of the materials used in constructing the BRL have recycled content, and the interior doors and cabinets are bamboo, a more renewable wood than hardwoods. More than 90 percent of all interior spaces have views to the outside and the overhead lighting is programmed to diminish when the daylight is bright. As with Hach Hall, 97 percent of the construction waste generated during the project (nearly 900 tons) was kept out of landfills and recycled, and paints, sealants and flooring were selected for their low (or no) emissions of VOCs. Room monitors signal the need for more outside air when carbon dioxide levels rise. The BRL is 35 percent more energy efficient than if it was built to existing code. An adjacent two-story laboratory for pilot-scale research has a vegetated roof that features biomass plants. The northeast corner of the building site has a rain garden to capture stormwater runoff.



**Interested in sponsor opportunities for USGBC Iowa or speaking at a monthly meeting? Contact the USGBC Iowa office for more information at [usgbc Iowa@assocserv.com](mailto:usgbc Iowa@assocserv.com).**

### Next Chapter Newsletter

The next newsletter will be issued during the first week of September. If you have news or information that you would like to share with the USGBC Iowa Chapter membership, please send to the Communications Committee at

[usgbc iowanews@gmail.com](mailto:usgbc iowanews@gmail.com) by *August 26, 2011*. Thank You!

**Remember to connect with USGBC Iowa Socially!**

