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UPCOMING EVENTS:

Green Building and Remodeling Your Home in NE Florida: Advantages, Values and Incentives
3/25, Wesconnett Library
4/8, Main Library

USGBC NF Nassau Committee Social
Tuesday, March 30
6:00 p.m.

USGBC Innovation Awards
March 31 - submissions due
May 13 - Awards Gala

USGBC NF Technical Program: Pervious Concrete Pavement & Sustainability Goals
April 6, 7:30 a.m.

USGBC NF Green Run
Saturday, June 19
8:00 AM at UNF

For more events & details, check out our website!
www.usgbcnf.org



A Message from Our President

"Progress is the activity of today and the assurance of tomorrow."

-Ralph Waldo Emerson

As we find ourselves already into March, our chapter board of directors and steering committee members are diligently working on wrapping up our year and preparing for a summer of strategic planning, budgeting, and assessment. As chapter president, I am continually impressed with and proud of the people that make up our chapter volunteers and the many accomplishments they have achieved in such a brief period of time. Without a heartfelt passion for green building and a sense of personal sacrifice by our active volunteers, we would not have accomplished so much so quickly and for that I thank each and every one of you.

In an organization such as ours, progress can be measured in several ways. We can look quantitatively at the number of LEED certified and registered buildings, LEED Accredited Professionals, and USGBC members, recognizing success by maintaining a strong presence despite a struggling economy. Many professional organizations and non-profits have experienced significant decreases in donations, sponsorships, and member renewals. Though USGBC North Florida has recognized a slowdown in all of these, we are fortunate to have maintained steady membership numbers and have experienced a slight decrease in sponsorships. Again, we are grateful and honored to have the support of our green building community and we are pleased to know our members still see value in USGBC membership.

Here are some numbers:

- LEED Accredited Professionals nationally: 140,218
- LEED Accredited Professionals in Jacksonville: 625
- LEED AP's in North Florida a year ago: Approximately 150
- USGBC North Florida members: 225
- USGBC National company members: 17,969
- LEED Certified Buildings in North Florida: 24 (including 5 affordable housing projects)
- LEED Certified Buildings in North Florida a year ago: 5 commercial projects
- LEED Registered Buildings in North Florida: 49
- LEED Certified Buildings nationally: 4,513 (and over 3,000 additional residential projects)
- LEED Registered Buildings nationally: 26,995

Clearly, we are making progress both on a local and on a national level. At the same time, we recognize that a struggling economy may hamper our efforts if we do not remain diligent with education and leadership. Continuing to educate your clients and colleagues on the benefits of sustainable design and construction is the only way to maintain momentum when so many are searching for less-expensive options. Remember, sustainable design and construction is SMART design and construction. Cutting costs at the detriment of the people who live and work in a space is always the wrong choice. Finding solutions that honor people, profit, and planet is the SMART choice. As green building professionals, you know best how to drive home that message.

Qualitatively, our chapter is making significant progress towards our goals. Last summer, the board

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of directors along with our steering committee developed an action plan to meet the chapter's strategic goals, which focused on Education, Organizational Excellence, Growth, and Impact. These big-picture strategies were broken down into specific action items including reach-out to our eleven surrounding counties, improvement of member experience, increase in educational programs attendance, creation of policy guidelines, recruitment of instructors, and strategic alliances (to name a few). Our committees tailored their activities and programs around these actions and our board of directors aligned all decisions with the attainment of our goals. Because of this disciplined approach to our Strategic Plan, our volunteers have already achieved the following:

- Creation of a Nassau County Committee to expand green building initiatives in Fernandina Beach, Callahan and Yulee.
- Green Schools Advocate support of activities in St. Johns County, Clay County and Duval County including the creation of Green Champions in all Duval County Schools
- Development of a comprehensive Policy and Procedure Manual for USGBC North Florida
- Appointment of our Executive Director, Sarah Boren, for another successful year
- Completion of several LEED AP Study Groups, seminars, and presentations
- Successful roll-out of Technical Forums offered free to our members to educate on the newest sustainable strategies and technologies
- Partnership with AIA to provide a LEED AP two-day study group
- Joint events with SMPS, BOMA, and IFMA along with numerous

USGBC NF is committed to providing diverse programming in content, cost and formatting. See all that we are offering!

Program Type	Cost	Format
Annual Awards Gala	~ \$50	Reception, Presentation & Keynote
Master Speaker	\$30 for members	Presentation
Building Tours	Free	Experiential
Socials	\$10 - 20	Varies
Technical Programs	Free to members	Presentation/Forum
Members only breakfasts	\$30	Presentation
Webinars	Free / \$5 - \$10	Webinar w/Q&A
LEED Workshops	~ \$200	Presentation
Conferences	~ \$30 - \$100	Presentation
LEED Exam Study Groups	~ \$100 - \$300	Presentation/Interactive

presentations to organizations such as CCIM, CREW, Meninack, Lake City Chamber of Commerce

- Support of the City of Jacksonville in implementation of the Sustainable Building Ordinance
- Chapter representation at both the Tallahassee Legislative Day and the USGBC Congressional Fly-in in Washington, DC
- Support and education for Clay County on a potential Sustainable Building Ordinance

This list is only a sampling of the many successes our chapter volunteers have executed in the past six months and I am confident they will continue to outperform even our greatest expectations.

It takes very special volunteers for an organization to achieve success. They must have passion, ambition, commitment, vision, self-motivation, collaboration, purpose, and a sprinkling of that 'something' that inspires them

to make it to 7am committee meetings, work on their strategic plans at 11pm on a Saturday night, get the finishing touches on course curriculum after three days traveling for the day-job, pull together a marketing flyer in time to meet an impossible deadline, and still have the desire to eagerly share with a new member the joys of being part of the green building world.

I often ask our volunteers why they dedicate so much of their time to our organization. Their answers tend to undervalue their own participation: "Oh, it's not really that much." Or, "It's just part of the job. I get back a lot."

My favorite answer is, "I do it because the people are great and I have to say it's been good for business... you know, the networking and all. And, it's nice to tell my kids that I'm doing something to save the planet."

Ellen Leroy-Reed, LEED® AP
 President, USGBC North Florida
 Greener by Design Consulting

Energy Code Enhancements Coming for Florida



By Tom Larson, Florida Energy Policy Manager with Southern Alliance for Clean Energy

Florida building code for new construction is up for further energy efficiency enhancements in the coming 2010 code revision—now open for comment on the Florida Building Commission (FBC) web site. In 2007 Governor Crist directed the Commission to increase building energy efficiency requirements by 15% (implemented earlier this year!). The 2008 Legislature created a suite of energy-related assignments for the FBC. An Energy Code Workgroup was set up to develop recommendations regarding energy conservation measures for increasing efficiency requirements from 2007 code by 20%, in the new 2010 code (to be implemented in 2012), as required by the 2008 law. Future enhancements are scheduled in the next three rounds of FBC triennial updates (2013, 2016, 2019), respectively to 30%, 40%, and then 50% better than 2007-code new construction. A strategic plan for this path was adopted by the Commission in 2009.

In meetings around the state over the past year or so, the Workgroup devised a cost-effectiveness rule and worked to prepare for consideration a proposed new energy code for Florida—the 2010 code now in public comment. The law set the International Energy Conservation Code (IECC) as the foundation code and directed modification to maintain the efficiencies of the Florida Energy Efficiency Code for Building Construction. By law, the code and enhancements are to address:

- Solar water heating
- Energy-efficient appliances
- Energy-efficient windows, doors and skylights
- Low solar absorption roofs/cool roofs
- Enhanced ceiling and wall insulation
- Reduced leak duct systems
- Programmable thermostats
- Energy-efficient lighting systems

Other measures will come to fore as technology develops and as we wring-out the last technical opportunities from the basic building form, the envelope, and HVAC systems. Factors that have not been part of building code in the past likely will have to be tapped as we move to higher efficiency levels.

Lots of details about the Energy Code Workgroup's review, research documents, presentations, reports, and recommendations to the Commission are available for inspection on the web, at: <http://consensus.fsu.edu/FBC/2010-Florida-Energy-Code.html>. There are subcommittees for Green Roofs and Pool Efficiency that looked at specific matters. Public input was a regular part of the Workgroup's dialog, with exchanges over a wide range of green building subjects. At its April 5 meeting in Gainesville, the Workgroup will focus on identifying and evaluating options regarding remaining tasks/sub-tasks, including discussion of the Commercial Prescriptive Table (e.g., shell buildings, renovations, and change-outs) and later, the Workgroup will address green roofs, pool efficiencies, and options for addressing humidity and moisture control problems for hot and humid climates.

I had the pleasure of joining the Workgroup as a representative of the Southern Alliance for Clean Energy for which I work, after attending a few meetings at the beginning (consistently enough that I got tapped to join). I've met very informed, interested, dedicated and very impactful people from a range of disciplines in the Florida building world. Notably, the FBC staff has exhibited dedication and command of the issues; the Florida Solar Energy Center has been a major consultant in the effort, regularly offering distinguished and professional analysis. I suggest this effort may be one of the more successful of the Crist climate/energy legacy! Most concerns have not been delaying or denial, but rather, "Let's keep the playing field level, but let's seize the day."

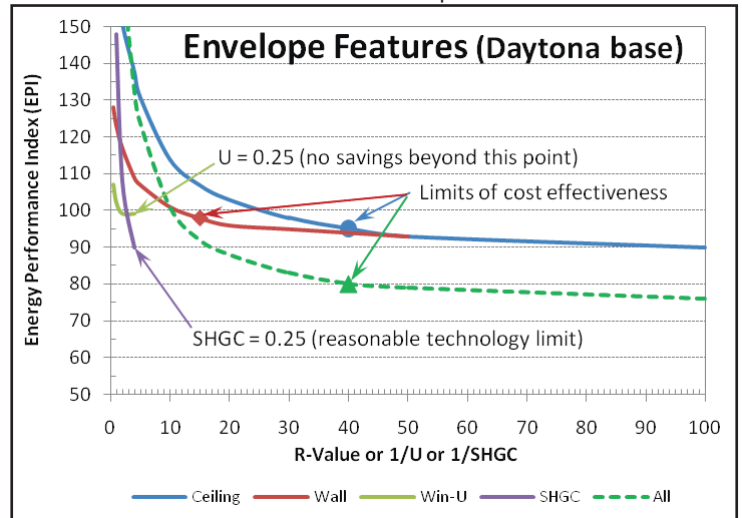
Florida building interests want to develop more efficient homes and businesses for Florida. They acknowledge market demand is going that direction fast. We just need to do it in a way that fosters success for responsible players and keeps it affordable for homeowners, businesses and builders/developers.

Current Code Revision Process and IECC 2009 Incorporation

The Commission’s online “Code Modification Module” has been updated and is ready to accept code change proposals for the 2010 Florida Building Code (FBC). The deadline for submitting code change proposals is April 2, 2010. The Commission welcomes participation in the development process of the 2010 FBC. The link for the Code Modification Module: www.floridabuilding.org/c/default.aspx. User registration is required, but no fee is involved. To allow for staff to have time to provide feedback on proposed modification(s) and determine whether a proposal is complete, one should submit code change proposal as early as possible. Proposed code modifications submitted after the 26th of March 2010 risk having no feedback from staff. Review the list of “Questions and Answers” and the “Users Guide” available at the link: www.floridabuilding.org/cm/cm_faq.aspx.

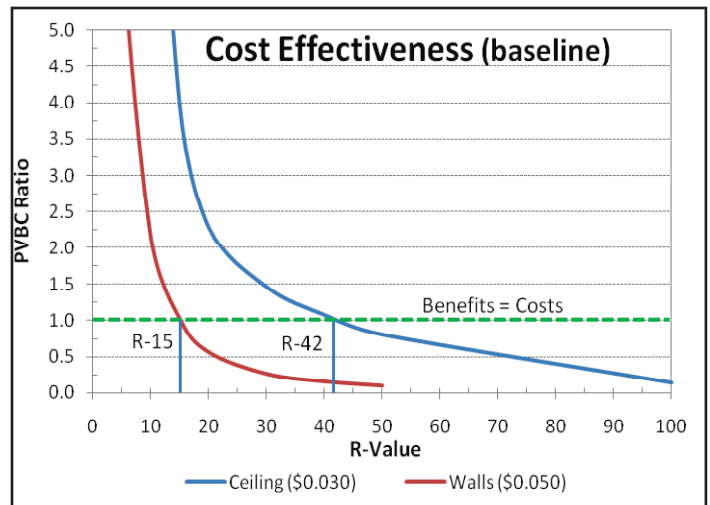
To go straight to the Energy Code segment, go to: www.dca.state.fl.us/fbc/thecode/2010_Code_Documentation/Energy_Conservation_Code_Documents.htm. The new draft Energy Code is titled “Energy Conservation” and is available at the link below. Please use the text in this document as the basis for your modification. www.dca.state.fl.us/fbc/thecode/Documents_to_be_Used.htm.

There are Limits to Energy Efficiency Opportunity in the Envelope



Envelope component EPI Opportunity curves for baseline home configuration in Daytona Beach showing individual as well as combined opportunity curves.

R-15 in walls, R-42 in ceilings are efficient targets, considering present value benefit to cost ratio.



Present value benefit to cost ratio curves for wall and ceiling insulation in Daytona Beach Florida using the baseline home configuration.

From: Evaluation of Alternatives for Florida’s 2010 Energy Code Update for Residential Buildings, Philip Fairey, Florida Solar Energy Center/University of Central Florida, Oct-2009 FSEC-CR-1831-09

USGBC NF Featured Committee Residential Green Building Committee



Wally Conway at work inspecting a home.



David Reed demonstrates his enthusiasm for saving electricity! Photo taken at Brandy Branch generation station in Baldwin. Those are the step up transformers that take the generated electricity to a high enough voltage to transmit over the large transmission lines.

The Residential Green Building Committee (RGBC) educates North Florida's building industry and public about the benefits of green building and remodeling. We want the most sustainable homes possible to be built here. We would like to see North Florida a state leader in sustainable housing by 2015 and a national leader by 2020.

David Reed and Allen Tilley are co-chairs of the Committee this year. The Residential Green Building Committee has two working teams, the Education & Marketing team, and the Policy, Economics, and Finance team.

This year the [Education & Marketing](#) team is concentrating on educating the general public. In partnership with the Jacksonville Public Library System, we are delivering our presentation, *Green Building and Remodeling Your Home: Advantages and Incentives*, at six regional branch libraries and at the Main Library. So far all the talks have been followed by enthusiastic discussion which has continued until the library closed. Our team of speakers includes Corie Baker, Sarah Boren, Wally Conway, Dan Hovis, Larry Murr, and David Reed. We are also working to provide a series of newspaper articles and to offer a tour of green homes. Mike Bonts leads the Education Marketing team of Ed Bondi, Sarah Boren, Wally Conway, Wayne Dawson, Kelly Moore, Paul Nicholson, David Reed, Allen Tilley, and Dan Hovis.

The [Policy, Economics, and Finance](#) team has become a subcommittee of the City of Jacksonville's Subdivision Standards Policy Advisory Council and continues to operate within the RGBC as well. This year they are concentrating on Low Impact Development and, especially, on facilitating financing of such developments. Tom Goldsbury leads the team of Sarah Boren, David Reed, Allen Tilley, and Paul Witt.

Member NEWS

Employment Directory

An employment directory is available on the usgbcnf.org website. If you would like to post an available position in the sustainable building industry, please email your ad to either Emily Carrier at emily.carrier@tlc-eng.com or Tom Gentry at tomg@ttvarch.com.

Important Highlights

To view the COJ Energy Efficiency and Conservation Strategy Application, please visit usgbcnf.org under resources, then links.

[Call for Articles/Submissions:](#)

As we continue to expand the content of the chapter newsletter, we encourage chapter members to contribute original, unpublished material for publication. Please submit all material to Sheryl Vaughn at svaughn@auld-white.com



Faces of the USGBC North Florida Photo Features



Speakers Greg Letnauchyn, Mike Heise and Rob Riva at the February Master Speakers Luncheon.



Mark Gelfo, Russ Ervin and Jenni Lassley at the February Master Speakers Luncheon.



Ben Moore, Derek Igou, Ohmega Allen and Ellen Leroy-Reed at the January Master Speakers Luncheon.



Aaron Shreiber and Julie Hargrove at the February Master Speakers Luncheon.



Ellen Leroy-Reed and Keith Murphy at the February Master Speakers Luncheon.

Save the Date! Second Annual Innovation Awards & Gala May 13, 2010

Awards will be given in the following categories:

- ◇ New Construction
- ◇ Major Renovation
- ◇ Commercial Interiors
- ◇ Landscape/Site Design
- ◇ Corporate Responsibility
- ◇ Individual Leadership

Submissions due March 31.

Go to usgbcnf.org for more information.

Recent Chapter Events

January Technical Event Designing with Solar in Mind

Presented by: John Alger with AET (Alternate Energy Technologies)
David Smith with SunWorks Solar
Sponsor: AET (Alternate Energy Technologies) and SunWorks Solar

Discussion included solar thermal history, how it works, application and product types. Current solar technologies and the advantages for architects and engineers to incorporate it into a building or facility at the beginning stages of a project was addressed. The Technical Forums focus on bringing technical information to our membership and our community. This program brings product vendors and specific technical expertise to share the technology for their product or practice with the audience. This was also an opportunity for LEED APs to earn 1 CE hour under "Live Presentations" for the Credentialing Maintenance Program.



February Technical Event Going Green with Electronics

Presented by: Dan Fulmer with FulTech Solutions, Inc



The event was held at Stellar.

Discussion included Today's technologies that offer a variety of ways to make a building more energy efficient and save money, while also adding conveniences and true functionality. Adding a PV system and a control system can allow control of energy needs and usage. You can set an energy threshold, measure the amount of electricity your Photovoltaic system produces and measure the amount you are using. The system can automatically adjust lights, HVAC and other systems to tune them to remain within the threshold.



North Florida LEED® Certified Building Highlights

Currently 24 LEED Certified Buildings

19 Commercial

5 Residential

There are more than 40 projects registered!

Butler Plaza III - LEED Gold Jacksonville, FL



The Butler Plaza Complex encompasses three matching buildings layered to have maximum street exposure. The buildings are approximately 85,000 SF, four-story, speculative office buildings. The third building achieved LEED Gold certification. The construction is concrete tilt panels with extensive architectural reveals and structural steel. The façade features a curved glass curtain wall system.

Innovative sustainable features include flush wood doors made of wheat, plastic lockers and bench made of milk jugs, lavatory faucets that generate their own electricity and waterless urinals. 76% of all waste generated during construction was recycled.



Community First Credit Union Beach & Hodges Branch - LEED Silver Jacksonville, FL



Community First Credit Union's Beach & Hodges branch was completed in May of 2008. Due to its many LEED features, this new branch has become the prototype for future branches of Community First Credit Union. Because of the energy efficiencies incorporated, the new Beach & Hodges branch incurs 32% less energy costs than identical branches built the conventional way. Some key LEED features include:

- Low-flow Fixtures
- Drought Tolerant Landscaping
- Construction Waste Diverted from Landfills
- Recycled Materials Usage
- Low VOC Usage



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