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A Message from Our President

"Nature is man's teacher. She unfolds her treasures to his search, unseals his eye, illumines his mind, and purifies his heart; an influence breathes from all the sights and sounds of her existence."

~Alfred Billings Street

This month, we celebrate the accomplishments of our Green Schools Advocates and the great work done by both public and private schools to provide healthier and more natural spaces for our children to learn.

In Duval County alone, we have over 160 public schools and nearly twice as many private schools. Hundreds of thousands of children walk their halls expanding their knowledge every day. They are among the statistic of humans spending 90% of their time indoors and many are served breakfast, lunch, and dinner in these spaces, spending nearly as much time at their school as in their home.

It is clear that building healthy, natural space for our children is of primary concern to all.

Yet we face economical challenges with tightening budgets, increasing costs, and decreasing income. More and more children are qualifying for free and reduced lunches due to family struggles and unemployment, and the costs are passed to the schools to compensate.

Our schools recognize that they can make a significant impact on the budget by aggressively targeting energy conservation measures which benefit the bottom line as well as the environment. By implementing green building strategies, they have truly embraced a triple bottom line solution for our schools.

It is promising to see energy saving measures implemented and so many green champions cropping up on school campuses. These champions look for opportunities to decrease energy use while conserving, recycling, and reducing, ensuring our young students are the next great stewards of the environment through consistent, positive reinforcement that will stay with them throughout their life. Whereas previous generations have grown up with the "Don't Drink and Drive" message, or the "Say No to Drugs" message, we hope this generation will share the "Triple Bottom Line" message. We hope they will teach their children that environmental responsibility makes sense for your wallet and for your health and that the question of whether or not we build our schools 'green' will be irrelevant because ALL schools will be built to the green standard.

Please take a moment today to reach out to your local school and applaud them for their efforts to promote environmental stewardship and good stewardship of your tax dollars through green strategies. And, if they've not yet gotten involved with sustainability, offer to volunteer a few hours to help get the ball rolling.

Again, congratulations to our Green Schools Committee and to our public and private schools for making it happen in North Florida.

Ellen Leroy-Reed, LEED® AP
President, USGBC North Florida
Solar Energy Initiatives, Inc.

UPCOMING EVENTS:

Take Me Out to the Ball

Game Social

Thurs., June 3

7:05 PM game time

6:30 - 8:00 PM food & drinks

USGBC NF Technical

Program: LEED & Light

Control

Tues., June 15

7:30 AM breakfast

8:00 - 9:00 AM program

USGBC NF Green Run 5K

Sat., June 19

8:00 AM at UNF

LEED Green Associate

Webinars

Wed., June 2 (part 1)

Wed. June 9 (part 2)

7:30 - 9:30 AM

For more events & details, check out our website!

www.usgbcnf.org

Call for Articles and 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.

Greening Duval County Public Schools



Susan Carew
DCPS Director of
Facility Engineering
& Energy

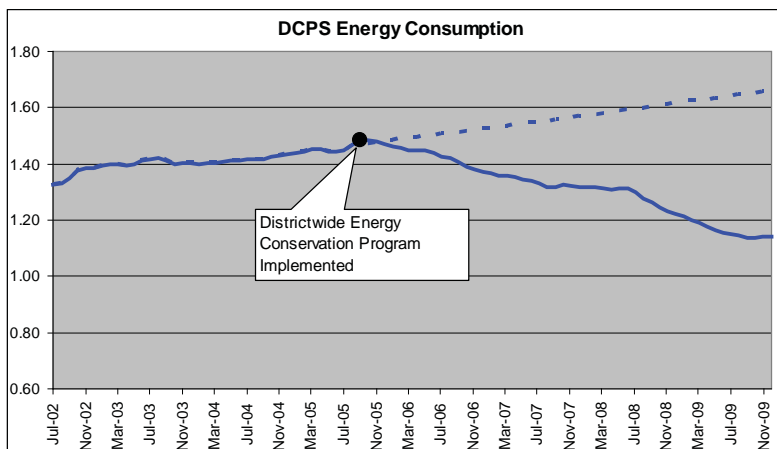
Just before electricity rates went on the rise, Duval County Public Schools (DCPS) implemented a tactical program to reduce energy consumption within the district. Steps included ranking schools based on energy use per square foot, benchmarking acceptable usage, determining why certain schools use more energy than their peers, correcting deficiencies causing high energy use, and establishing and enforcing temperature control guidelines for occupied and unoccupied spaces.

Under the program, DCPS retrofitted lights and heating, ventilation and air conditioning systems, reprogrammed control systems and installed thousands of occupancy sensors at dozens of schools around the district. "These improvements produced more than \$9 million in cost avoidance in fiscal 08-09 and are expected to yield around \$11 million in fiscal 09-10," says Susan Carew, DCPS Director of Facility Engineering & Energy.

DCPS also started hiring third-party commissioning firms to scrutinize design, inspect construction and monitor post-construction performance of energy consuming systems installed at new schools. DCPS recently built its first school designed to LEED (Leadership in Energy and Environmental Design) standards on the Westside, which includes a 25 KW solar array. According to Carew, three schools were selected to receive 10 KW solar arrays under the SunSmart Schools grant administered by the Florida Solar Energy Center and University of Central Florida. Carew says DCPS has also applied for additional funding through the Energy Conservation Block Grant administered by the City of Jacksonville.



With the energy conservation component of the program well underway and producing substantial savings, DCPS added water conservation and recycling efforts.



DCPS is currently working with St. Johns River Water Management District and JEA on water conservation projects. This past January, DCPS also started an exciting sustainability awareness effort called Green Champions, which enlists volunteers at each school to promote recycling, energy and water conservation. Objectives of the Green Champions program are to save money by eliminating waste, conserve natural resources and incorporate environmental stewardship into the students' curriculum. Local businesses generously donated money

to support the Green Champions program so these volunteers could be rewarded with Green Champions t-shirts and other promotional items.

Under the Green Champions initiative, nearly 100 schools have signed up with Paper Retriever, a local firm that promotes paper recycling and pays the schools for their recycled paper. DCPS developed an adopt-a-school initiative that matches these schools with business partners that want to use Paper Retriever and donate their earnings to their adopted school.



Green Champions at more than 100 schools are conducting creative, future-friendly activities like, campus clean up, beach clean up, Earth Day poster contests, energy and water patrols, sustainability trivia contests and announcing a green tip-of-the-day during their announcements. With the help of DCPS custodial contractor, GCA, Green Champions have set up cafeteria recycling zones and are conducting classroom recycle bin decorating contests. Dozens of schools have planted trees, shrubs and flowers. Several schools have created video productions and plays so students can teach other students about being green. Many schools have taken advantage of free resources and guest speakers offered by JEA and other local organizations that promote earth-friendly concepts and behavior. Several schools recycle used crayons and made chunky crayons for disabled students. Schools have also started projects at their school including the collection of condensate from the air conditioning system

and using it to water the landscaping, building a solar energy collector to cook hot dogs and then selling them at the school's carnival and adopting the roadway in front of their school and another adopted a manatee.



The 2010 DCPS Green Champion of the Year is Steve Sherrill from Sandalwood High School. Sherrill coordinated more than a dozen sustainability events and engaged more than 120 students and 14 local organizations in conservation efforts. In addition to the Green Champion t-shirt and other promotional items, Sherrill received a reserved parking space at Sandalwood for all his extra efforts. DCPS will continue the Green Champions program when school starts in the fall.

The greening of DCPS is well underway and growing each year. As utility rates continue to rise, conservation is increasingly important to keep the district's costs to a minimum. Funds are in short supply, so grants and donations from local businesses are vital to keep the program going. It's the right thing to do for DCPS students, the community and the environment.



USGBC NF Featured Committee Green Schools Committee



Linda Benear, David Mantia, Susan Carew, Al Rodriguez, Joanna Rodriguez

Green school

grEn skül / n.:

a school building or facility that creates a healthy environment that is conducive to learning while saving energy, resources and money

In 2007, USGBC launched the National Green School Campaign with the goal that every child will attend a green school within a generation. From the outset USGBC realized that a grassroots effort would be necessary to advance the green schools movement and that local USGBC chapters would play a critical role in providing local outreach and education.

Recognizing that local USGBC chapters were essential to the success of the National Green Schools Campaign, all chapters were invited to appoint a Green Schools Advocate and establish a Green Schools Advocacy (GSA) Committee. In turn these local GSA committees were tasked to work with their local schools and volunteers who are championing the green school cause with the help of USGBC resources, training and support.

Locally our North Florida Chapter's GSA committee has engaged the school districts of Duval, St Johns, Nassau and Clay County in a dialog to determine local needs and to gather information beyond the 'bricks and mortar' of each district. Our local GSA's are working with representatives from Duval County Public Schools, The St Johns River Water Management District and other volunteers to support the development of a green school curriculum initiative. This initiative first took root at the new Westside K-8 school that is anticipated to achieve LEED Silver certification. Other current initiatives involve case studies and best practices for greening existing local school buildings and maintenance operations.

Committee members include Al Rodriguez, Co-Chair, David Mantia, Co-Chair, Elizabeth Porter, Beth Dunn, Wayne Dunn, Eileen Tramonta, Linda Benear, Pamela Beck, Susan Carew, Joanna Rodriguez, Susan Cleveland, Tony Gimenez, Gary Hiers and Bruce Doueck.

April Technical Event Introduction to Pervious Concrete & Examining Benefits of Traditional Concrete

Presented by: Amy Miller, P.E. Director,
National Resources

Sponsor: Tarmac

Discussion included design, application, benefits and construction techniques of pervious concrete.

Recent Chapter Events



May Technical Event Introduction to Insulated Concrete Forms

Presented by: Joel M. Johns, Master ICF
Installer, LEED AP
Matt A. Joseph, ICF Technical
Consultant

Sponsor: ICF Wall Systems and
Supplies, Inc.

Discussion included the features and benefits of today's insulated concrete forms and the various connection details, construction issues and different applications for this system.

Faces of the USGBC North Florida Photo Features



Greg Clary and David Dudley at the April Joint Luncheon with SMPS NF.



Speakers Greg Clary, Kory Konopasek and Marie Hurst discuss Corporate Social Responsibility Planning at the April Joint Luncheon with SMPS NF.



USGBC NF Executive Director Sarah Boren and Ben Moore at the April Luncheon.



Leonard Spears, Courtney Mangum and Ellen Leroy-Reed at the March Master Speakers Luncheon.



Speakers Dan Lee, Jim Williams and Roger Cortie at the March Master Speakers Luncheon.



Anne Fowler, Jay Fowler, Tara Meyer-Robson, John Robson (hidden), and Elizabeth Dion enjoy an outdoor setting at the Nassau Chapter's social.

2010 USGBC NORTH FLORIDA INNOVATION AWARDS GALA

MAY 13, 2010

And the winners are...

Category	Project	Project Team
New Construction - Commercial	City of Jacksonville's Animal Care and Protective Services	Ebert Norman Brady Architects Auld and White Constructors The Ohmega Group Atlantic Engineering Services HDR, Inc Hewitt Interior Design TLC Engineering for Architecture
New Construction - Residential	Sustainable Solar Residence - The Zona Family	Zona and Associates Northeast Engineers Lou Pontigo John Zona III
Major Renovation	Crowley Maritime Corporation	RS&H The Angelo Group
Commercial Interiors	Crowley Maritime Corporation	RS&H The Angelo Group
Site and Landscape Design	Sustainable Solar Residence - The Zona Family	Zona and Associates Northeast Engineers Lou Pontigo John Zona III
Outstanding Community Leadership	Mary Tappouni	
Outstanding Corporate Responsibility	Breaking Ground Contracting	



Ed White & Tom Norman accept the award for Animal Care and Protective Services.



John Zona accepts the awards for Sustainable Solar Residence.



Karen Altomare and Ashley Powell accept awards for Crowley Maritime Corp.



Mary Tappouni and Catherine Burkee accept awards for Leadership and Corporate Responsibility.

INNOVATION AWARDS GALA



North Florida LEED® Certified Building Highlights

Currently 28 LEED Certified Buildings

22 Commercial

6 Residential

There are more than 40 projects registered!

UNF College of Education - LEED Gold Jacksonville, FL



This new 97,000 square foot building contains classroom space, teaching labs, faculty offices, support space and student services. This new facility enables the College of Education and Human Services faculty, staff and programs, to be together under one roof for the first time in years.

The building system includes concrete foundations and a structural steel building frame with metal stud wall framing. The building veneer features brick exterior walls with an extensive curtain wall system that utilized Arctic blue glass. The interior finishes include hard tile on the first floor lobby and monumental stairs with carpet in the remainder of the building. All area suites have interior glass wall systems and each has its own reception area. Interior steel columns are wrapped with rounded wood laminate panels.

UNF Brooks College of Health Addition - LEED Certified Jacksonville, FL



The Brooks College of Health Addition on the campus of the University of North Florida consists of a new multi-wing addition to the existing Brooks College of Health building. The work encompassed over 38,000 square feet of classrooms, laboratories, and support facilities. The building is used primarily by the School of Nursing and Student Health Services. To this end the project included the development and adherence to necessary erosion and sedimentation control measures to

ensure pollution prevention, optimal public transportation access, and maximization of open space on the site. The stormwater management system results in no net increase in runoff from pre-project development conditions and reduces impervious cover, promotes infiltration and captures and treats the stormwater runoff from 100% of annual rainfall. Also, 100% of the non-roof impervious surfaces on-site have been paved with highly reflective materials and/or are shaded by building overhangs. Other sustainable elements of the project included but were not limited to:

- Water efficient/drought tolerant landscaping
- Waterless urinals and low-flow lavatories
- Use of recycled materials
- Use of low emission materials inside building
- Enhanced refrigerant management
- Healthy percentage of regional materials manufactured within 500 mile of site
- Enhanced commissioning of the building energy systems

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Bob Hart

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.



NORTH FLORIDA