

JEA Conservation Programs Training and Events Calendar for January through March 2010

Recurring Meetings

Northeast Florida Builders Association calendar of meetings

<http://www.nefba.com/calendar.php>

North Florida US Green Building Council meetings – Its lunch meeting is usually held on the third Thursday of every month. Cost is \$30 for members and \$40 for non-members; lunch is included. For more information on USGBC North Florida Chapter events and trainings, go to www.usgbcnf.org

Residential Green Building Committee (RGBC) team meetings – The RGBC is a non-profit organization that promotes sustainable building in northeast Florida. The RGBC teams try to tackle some of the challenges around green building. Teams meet at various times. Contact conservation@jea.com if you would like more information.

Trainings

Scheduled Classes:

Local US Green Building Council workshops and trainings:

<http://www.usgbcnf.org/mc/community/eventList.do?orgId=ugbcnfc>

Directions to JEA's Conservation Center

<http://www.jea.com/about/pub/downloads/greenbuilt/CCDirections.pdf>

"Green Building and Remodeling Your Home in Northeast Florida: Advantages, Values, and Incentives." This Library lecture tour will be held twice a month through April. The series is open to anyone interested in attending.

When: 7:30pm – 8:30pm
January 14, South Mandarin Regional

January 28, Highlands Regional
February 11, Regency Square Regional
February 25, West Regional
March 11, Beaches Regional
March 25, Charles Webb Wesconnett Regional
April 8, Main Library

Tuesday, January 12th 7:30am to 9am

Designing with Solar in Mind. This Technical workshop is put on by the North Florida Chapter of the USGBC.

Cost: \$5 for non-members, free for members

More info or to register,

<http://web.memberclicks.com/mc/community/eventdetails.do?eventId=243159&orgId=ugbcnfc&recurringId=0>

Tuesday & Wednesday, January 26th & 27th 8am to 5pm

Florida Green Home Certification training. Course is designed for residential builders, architects, subcontractors, energy raters, building officials, utility representatives or those in related fields. The general public may also benefit from the course. The course is designed to educate students about green building techniques and the Florida Green Building Coalition Home Standard. Students will become sufficiently knowledgeable to understand the various components of the standard and to certify all categories of the standard's checklist.

Cost: \$399

Taught by: Eric Martin of the Florida Solar Energy Center

Location: JEA Conservation Center, 970 N. Main St.

More info or to register, http://www.fsec.ucf.edu/en/education/cont_ed/bldg/greenhome.php

Monday-Friday, Feb 15th – 19th, 8am to 5pm

BPI Building Analyst Training. This four day intensive BPI Building Analyst Training course includes instruction in the class room and hands-on field training using diagnostic equipment in a home. The course fee includes both written and field exams that one must pass to become a BPI Building Analyst Professional. With the proper understanding and the proper equipment, a BPI Building Analyst is qualified to make recommendations to the homeowner on how to reduce energy consumption and improve home performance.

Cost: \$1,595

Taught by: Clean Edison

Location: JEA Conservation Center, 970 N. Main St.

More info or to register, <http://www.cleannedison.com/194-bpi-building-analyst-training-course-in-fl-jacksonville.html>

Wednesday-Saturday, Feb 17th – 20th Time: TBD

U.S. and the Sun, Integrate Solar Into Your Business or Start Your New Solar Company.

This 4 day training on solar water heating systems will discuss sizing, installation, marketing and more.

Cost: \$700 for first registrant, \$350 for additional registrants

Taught by: Alternate Energy Technologies

Location: Holiday Inn, 6802 Commonwealth Ave.

More info or to register, <http://www.aetsolar.com/AETSeminar.html> or contact Selena Alger at selena@aetsolar.com

Designing and Maintaining a High Performance Green Building Series.

***** SERIES HAS BEEN CANCELLED *****

This is a five course series discussing common building failures and how to avoid them in high performance green buildings. Learn more at: <http://www.southernbuildings.org/education/high-perf-bldg-series.pdf>

Thursday, February 4th 8am to 5pm

Course 1: Designing Building Envelopes to Control Air and Moisture in High Performance Green Buildings.

This course provides a balance of lecture, live model demonstrations and class exercises so students will understand building envelope characteristics that control heat and moisture transport. Participants will become familiar with the four types of water movement – bulk, capillary, vapor diffusion, and air transport in hot and humid climates. We'll learn the relevance of material properties to energy efficiency, moisture accumulation, and durability, within the envelope assemblies. *7 hours.*

Cost: \$269

Location: JEA Conservation Center, 970 N. Main St.

More info or to register: http://www.fsec.ucf.edu/en/education/cont_ed/bldg/gb-bldgenv.php

Thursday, February 25th 8am to 5pm

Course 2: Designing and Maintaining Building Air Flows in High Performance Green Buildings

Air flow and pressure problems are silently undermining green goals of maintaining healthy, energy efficient and, durable buildings. This course uses several case studies and research by instructors with first-hand experience to help students understand how the four primary forms of uncontrolled air flow are likely to undermine LEED certified buildings. We recommend specific measures as part of commissioning or recommissioning. *7 hours*

Cost: \$269

Location: JEA Conservation Center, 970 N. Main St.

More info or to register: http://www.fsec.ucf.edu/en/education/cont_ed/bldg/gb-airflows.php

Thursday, March 25th 8am to 5pm

Course 3: Designing and Maintaining HVAC Systems for High Performance Green Buildings.

This course examines cooling system characteristics, advanced dehumidification systems and ventilation control strategies. HVAC systems can be an important part of conserving energy, maintaining comfort, and controlling humidity in green buildings. Case studies will be used that highlight re-commissioning measures that result in significant energy savings. This course is designed to accommodate those not very familiar with HVAC who want to learn more,

but has detailed information about advanced systems that will benefit those more experienced. 7 hours.

Cost: \$269

Location: JEA Conservation Center, 970 N. Main St.

More info or to register: http://www.fsec.ucf.edu/en/education/cont_ed/bldg/gb-hvac.php

Friday, February 12th 9am – 4pm

Energy Star 101. A comprehensive look at the residential Energy Star program and a basic building science approach to achieving it. Topics will include all the fundamentals from low-e windows to the thermal bypass checklist.

Cost: Free

Taught by: JEA

Location: JEA Conservation Center, 970 N. Main St.

To register, e-mail conservation@jea.com or call 665-6590. Specify the number of attendees. Class is limited to 40.

Friday, March 19th 12pm – 4pm

The Basics of Solar Systems. This is a basic introductory training on solar systems designed for the building and remodeling professional. Solar hot water heating and solar electric system designs and installation practices will be discussed.

Cost: Free

Taught by: Paul Nicholson of Seaside Endeavors and David Reed of JEA

Location: JEA Conservation Center, 970 N. Main St.

To register: e-mail conservation@jea.com or call 665-6590

Classes Taught on Request:

Selling Green Homes. This training can be custom designed for your needs.

Cost: Free

Location: At your facility

To schedule: Call David Reed at 665-6590

Introduction to Compact Fluorescent Lights (CFLs). Everything you wanted to know about CFLs but didn't know to ask! CFLs use 75 percent less electricity, put out 70 percent less heat and last up to 12 times longer than standard incandescent bulbs. However, if you don't select the right one you won't be happy with the light it puts out or how long it lasts, and these bulbs require proper disposal. We'll answer all these questions and more so you can take this great first step to becoming green.

Cost: Free

Taught by: JEA

Location: At your facility or the JEA Conservation Center, 970 N. Main St.

To register, e-mail conservation@jea.com or call 665-7051. Please specify the number of attendees.

Energy and Water Conservation for Housing Managers. Owners, housing managers, maintenance employees and client/occupants play key roles in having an energy and water efficient building. This presentation offers energy and water efficiency ideas in lighting, preventative maintenance and irrigation. In addition, we will identify operating cost reductions and improvements that can be made with near term paybacks for the property owner and occupants. Lastly we discuss occupant education and incentives available to help renters become more energy and water efficient. This presentation is an eye-opening discussion that every property owner and manager should hear to save money, improve the comfort of occupants and reduce their impact on the environment.

Cost: Free

Taught by: JEA

Location: At your facility or the JEA Conservation Center, 970 N. Main St.

To register, e-mail conservation@jea.com or call 665-7051. Please specify the number of attendees.

Irrigation Basics. This is an introductory presentation for anyone who has never owned an irrigation system or is not familiar with the turf landscape varieties in Northeast Florida. We cover the major components associated with your irrigation system (controller, sprayers, rotors, etc.) as well as the most efficient way to operate your system within the watering recommendations set forth by the St. Johns River Water Management District.

Cost: Free

Taught by: JEA

Location: At your facility or the JEA Conservation Center, 970 N. Main St.

To register, e-mail conservation@jea.com or call 665-7051. Please specify the number of attendees.

Savings without Sacrifice. A comprehensive review of how any homeowner can save energy and water at home with low-cost and no-cost changes. Learn how energy and water is used in your home and how much each area contributes to your overall JEA utility bill. See how simple changes and preventative maintenance measures can substantially reduce your utility bill by up to 50 percent!

Cost: Free

Taught by: JEA

Location: At your facility or the JEA Conservation Center, 970 N. Main St.

To register, e-mail conservation@jea.com or call 665-7051. Please specify the number of attendees.

Plan Your Planting. This presentation is an overview of waterwise principles, which can help you establish and maintain a healthy landscape by matching the right plants with existing site conditions so that the use of additional resources, such as water, fertilizer, pesticides and labor, is minimized. In addition, waterwise principles reduce the amount of pollutants reaching water bodies because fewer yard chemicals are used. The principles discussed in detail are

- Planning and Designing
- Obtaining a Soil Analysis
- Choosing Proper Plants

- Using Turf Wisely
- Irrigating Efficiently
- Using Mulches
- Performing Proper Maintenance

This is an excellent presentation for those new to Northeast Florida and anyone who needs a refresher on Florida-friendly planting practices and turf choices.

Cost: Free

Taught by: JEA

Location: At your facility or the JEA Conservation Center, 970 N. Main St.

To register, e-mail conservation@jea.com or call 665-7051. Please specify the number of attendees.

This Green Old House. This presentation is for owners of historic properties who want to maintain the unique architectural features of their homes while making them more energy and water efficient. We will review the challenges and opportunities associated with remodeling green. In addition, we will discuss window replacement, HVAC and lighting. Because the concept of sustainability is mutually supported by historical preservationists and the green movement, anyone owning or restoring a historical home will benefit from this discussion.

Cost: Free

Taught by: JEA

Location: At your facility or the JEA Conservation Center, 970 N. Main St.

To register, e-mail conservation@jea.com or call 665-7051. Please specify the number of attendees.

JEA Theater Program: “The Search for a Better Light”. JEA has developed and produced an energy and water conservation program designed for elementary students. The production targets third to fifth graders and is presented by local professional speaker and entertainer, Patrick Robinson, whose high-energy, unique style captures and holds students’ attention. The interactive program conveys simple, low-cost ways students and their families can save energy and water in the home. The content of the presentation coincides with the Science Curriculum covered in the Sunshine State Standard. This fun and highly entertaining program lasts between 30 and 45 minutes, depending on the level of participation and your specific needs. Please give call to discuss bringing the program to your class or school to give the kids a lesson in conservation they will certainly enjoy and hopefully share with their families.

Cost: Free

Taught by: JEA

Location: At your facility

To register, e-mail conservation@jea.com or call 665-7051. Please specify the number of attendees.

Other Organizations that Hold Green Meetings and Trainings:

Jacksonville Green Team Project. The Green Team Project, a grassroots environmental non-profit project of the Tides Center, empowers and motivates people to make a difference environmentally through their own practices. The Green Team is dedicated to increasing

environmental awareness and stewardship, changing long-term behavior, creating a greater sense of community, improving the quality of life and having fun.

Location: 5000-3 Norwood Ave.

Contact info: Phone: 924-1100, ext.234 Web address: www.greenteamproject.org

Tree Hill Nature Center. Tree Hill Nature Center is a 50-acre urban wilderness in the heart of Jacksonville. For 36 years, Tree Hill has been a premier resource for eco-tourism, environmental and energy education. Annually thousands of school students, classroom teachers and visitors are served in interactive nature programs which foster the mission: TEACH GREEN-CONSERVE GREEN-LIVE GREEN. For three decades JEA has partnered with Tree Hill to provide educational outreach on electricity, water and energy conservation.

Location: 7152 Lone Star Road

Contact info: Phone: 724-4646 Web address: www.treehill.org

Institute for Agricultural Sciences Duval County Extension Office. The Duval County Cooperative Extension Service/City of Jacksonville Agriculture Department is a partnership between the United States Department of Agriculture, the University of Florida Institute of Food and Agricultural Sciences and the city of Jacksonville. Research-based education is offered by trained professionals and volunteers in agriculture, family and consumer sciences, and 4-H youth development. Their mission is to continually enhance the quality of life for a unified Jacksonville through strengthening decision making, knowledge application, economic security, environmental care and leadership skills for all citizens.

Location: 1010 N. McDuff Ave.

Contact info: Phone: 387-8850 Web address: <http://duval.ifas.ufl.edu/index.shtml>

ULI – North Florida Council. The North Florida council of the Urban Land Institute is a nonprofit education and research institute supported by its members. Its mission is to provide leadership in the responsible use of land and in creating and sustaining thriving communities.

Contact info: Phone: 486-8256 Web address: <http://northflorida.uli.org/>

St. Johns Riverkeeper. The St. Johns Riverkeeper's mission is to work on behalf of the community for clean and healthy waters in the St. Johns River, its tributaries and its wetlands, through citizen-based advocacy. The organization believes that the unique natural beauty and ecological integrity of the St. Johns River system must be preserved and remain accessible for the enjoyment and benefit of current and future generations and they promise to advocate for policies and restoration actions based on sound science and responsible economics, and to speak on behalf of the river with an independent voice that citizens can trust.

Location: 2800 University Blvd., N.

Contact info: Phone: 256-7591 Web address: www.stjohnsriverkeeper.org

Greenscape of Jacksonville. Greenscape enriches our community through the planting, protection, and promotion of trees. The vision of Greenscape is to improve the tree canopy of our city. This is fulfilled by volunteer plantings ranging in scope from small neighborhood parks to schoolyards to roadways and other public areas.

Contact info: Phone: 398-5757

Web address: www.greenscapeofjacksonville.org

Northeast Florida Sierra Club. The Northeast Florida Sierra Club is an environmental advocacy group that is a subchapter of the national and state Sierra Club organization.

Contact info: Web address: <http://florida.sierraclub.org/Northeast/index.html>