

TAMPA BAY ASSOCIATION OF ENVIRONMENTAL PROFESSIONALS

WWW.TBAEP.ORG

PINELLAS LIVING GREEN EXPO

The Pinellas Living Green Expo will be held on **June 16th and 17th** at the Coliseum/Sunshine Center in Downtown St. Petersburg. The Expo is a collaboration of government agencies, non-profit groups and businesses seeking to promote sustainability-oriented products and behaviors in the Tampa Bay area. This free event focuses on resource conservation solutions. The Expo connects people who are interested in making a positive difference in both their lives and in their communities.

Last year this free educational event focused on working together - from developers and utilities to environmentalists. The Expo recruited developers interested in 'green building', utilities interested in promoting their resource conservation programs, local government programs, and even the local Sierra Club took a significant role in planning the event. Exhibitors included companies that specialize in solar, irrigation, native plants, healthy home design, environmentally friendly paints, Home Depot, and the Audubon Society.

The goal of the Expo is to provide real solutions for people to live better, healthier lives with less impact on the environment. The Expo connects people who are interested in making a positive difference in both their lives and their communities.

Darden Rice, Regional Representative for the Sierra Club said that "The Expo will help drive demand for the type of healthy neighborhoods and livable communities that people want. Sierra Club supports quality investments in areas that already have a history of development to enhance communities and the environment. By reinvesting in existing neighborhoods and creating more walkable, transit accessible places to live and work, a select subset of the nation's development leaders are raising the bar for neighborhood design."

The purpose of the Expo is also to offer participants a hands-on opportunity to learn how to make changes in their own homes and lifestyles. Expo organizers say that "the Expo offers information and products so that people who really want to know how to make their homes more efficient and environmentally friendly can walk out of there with clear ideas, contacts, and products. Sometimes people just don't know how to get started and the information is not always widespread."

Sponsored by the Council of Neighborhood Associations, admission and parking are free, Saturday, June 16th 9-5 and Sunday, June 17th 10-4.

March Meeting

Thanks to **Dane Hanson**, and the members of ASCE for participating in our second joint meeting together. Thanks also to **Kelli Levy** on a very good, informative presentation on the Pinellas County Lake Seminole restoration project. This project had community scrutiny from start to finish.

APRIL 2007

Mark your Calendar!

Upcoming Meetings:

- **Apr. 18 - 11:30-1:00**

Highlights of the Proposed Gopher Tortoise Management Plan

Lynn Young

EpiCenter at ICOT

- **May 16 - 11:30-1:00**

Global Risk Based Corrective Action

Keith Tolson

EpiCenter at ICOT

- **June 20 - 11:30-1:00**

GulfStream Gas Pipeline

Michael Aubele

EpiCenter at ICOT

- **July 18**

Luncheon

Link to map to EpiCenter:

http://www.pced.org/download/document/20050526_170508_26332.pdf

NAEP

32ND ANNUAL CONFERENCE

Environmental Leadership:

Science, Education, Alliances

April 22-25, 2007 Orlando, FL

Go to: www.naep.org



Where Are They Now?

TBAEP Founders and where they are today.

As a regular article of the TBAEP newsletter, we will have a feature on one of the founding members of TBAEP. The intent is to demonstrate that Environmental Professionals who became active with the organization have excelled at their jobs and have fulfilling careers.

As an original Board Member, Steve Swingle was the Chair of the Awards Committee of TBAEP. This successful program gave great exposure to our organization. As a result, you can still see plaques hanging in lobbies of regulatory agencies and clients. He was also president of TBAEP from 1997 to 1999.

Steve graduated from Ohio University in 1981 with a Bachelor of Science degree with a double major in Zoology and Environmental Biology. Steve's first job was as a staff scientist in charge of the fisheries section at Mote Marine Laboratories. According to Steve "they mostly worked on power plant studies for NPDES renewals." At Palm Beach County, his next job was in the Department of Engineering and Environmental Services performing dredge and fill permitting. That section also managed the county's ordinances regarding artificial reefs and mangrove protection.

He transitioned into private consulting firms with a start at Griener (now part of URS Corp). He worked for George Feher, another TBAEP President, and attended his first Permitting Short Course in Tallahassee. This was before the summer school that is currently held in Marco as he remembered "freezing in Tally in January."

Steve currently manages the environmental services for CH2M Hill in Tampa primarily working on marine permitting for ports and other waterfront clients and supervises a group of 7 people. He greatly enjoys his job as he is able to "get back to my roots as a marine biologist." He also added that the most rewarding aspect of his job is "working in a field that I enjoy on a daily basis."

MEMBERSHIP NEWS

Did you know that together we can achieve more? If every TBAEP member introduced the benefits and services of our association to a co-worker, colleague, friend or associate, we would double the resources available to meet the needs of **YOU**, our member. Not only financial resources, but human resources, our most important ones.

We'd like to welcome these new and renewing members to our organization:

John Bailey

Ben Ballard

Rob Degraff

John Goolsby

Bruce Hasbrouck

Nan Jordan

Trudy Killeen

Catherine Knudsen

David Loy

Leo Mills, Jr.

Brian Panico

Meghan Schuck

Barbara Seymour

115 Current Members

University of Tampa Student Chapter

The UT student chapter continues to work on a campus recycling program by attending the Tri-Beta Board luncheons and discuss the issue with faculty advisors. The Tri-Beta faculty advisor, Dr. Fried and Dr. McRae had a meeting with the provost to talk about recycling on campus. Their discussions included other conservation issues such as energy use, hot water usage and paper waste. The provost has asked for a group of students to monitor these issues. Another student organization, the Environmental Protection Coalition (EPC) has distributed a recycling survey and received close to 1000 responses (nearly 20% of the student body). Working together they are discussing ways to support their claim such as going through the campus garbage to determine the percentage of recyclable materials that are thrown away. In addition, they have had several articles in the school newspaper about recycling.

The student chapter has been very busy attending tide talks at the Florida Aquarium, one on tree-top canopy and one on fish sex. They have organized and participated in several clean ups, including the Tampa Mayor's Beautification Project. They will be having a bake-sale to fund their Earth Day celebration and they have been collecting pictures at all of their recent activities to use on the web site that they are currently building.

Tampa Bay Watch

- **Go Coastal -April 14th Fun and Games at their Open House, see the new Touch Tank (10-2)! Volunteers for the event are needed.**
- **Volunteers for the booth at Marine Quest 2007, April 21st.**
- **Kids Summer Camps 2007- space is limited and filling up quickly!**

Contact: aackman@TampaBayWatch.org



Florida Sea Grant & Rookery Bay Present Small Dock and Pier Management Workshop

Provided by the NOAA National Centers for Coastal Ocean Science

Date: Thursday, April 26, 2007

Time: 9:00am to 4:30 pm

Location: Manatee County Extension Office,
1303 17th St. W
Palmetto, FL 34221

Cost: \$20 includes light breakfast, lunch and materials
Cash or check payable to Friends of Extension

A Science-based training for Planners, Permittees, Natural Resource Managers, Developers and other professionals who make decisions about small docks and piers.

Learn about:

- Navigational and Public Access Considerations
- Environmental Impacts
- Visual and Aesthetic Considerations
- Techniques for Small Dock Construction and Siting
- BMPS for Small Dock Management

Registration required: contact John Stevely at 941-722-4524 or jmstevely@ifas.ufl.edu or visit www.flseagrant.org

Can the U.S. Take a Lesson From Germany?

The installation of solar photovoltaic (PV) devices in the US increased by about 33% in 2006 over the previous year, according to a new report from Solarbuzz, LLC. Worldwide PV installations totaled 1,744 MW in 2006, a new record and a growth of 19% over 2005. The US contributed just 8% of those installations, or about 140 MW, while Germany led the world market with 960 MW of PV installations, comprising 55% of the world's total PV installations for 2006. To supply that market, the global production of solar cells reached 2,204 MW in 2006, a growth of 33% over PV production in 2005, while the production of polysilicon, a critical ingredient for silicon solar cells, increased by 16%. Colorado, Nevada and California continue to demonstrate their solar power leadership. For more go to: <http://www.solarbuzz.com/Marketbuzz2007-intro.htm>.

EERE Network News

Hybrid Car Comparisons

You want to buy a hybrid, but you're concerned about the cost? And you should be: Despite the increasing number of hybrids for sale, all cost more than their conventional twins. Even with tax credits and fuel savings, we found that most hybrid vehicles take awhile to deliver payback in terms of dollars paid, with one or two exceptions. Sure, there's the reward of fewer emissions, but if you want a smart buy and a low-emissions vehicle, it takes time to pay that hybrid premium! At the link below, you'll find all available hybrids compared to their most similar non-hybrid counterpart, with base prices, fuel costs, tax credits, and the hybrid payback. **Note: All prices include destination charges, and fuel savings is based on 15,000 miles per year, at \$2.50 per gallon. From www.hybrid.com**

Biodiesel-Fueled Boat

A futuristic speed boat fueled entirely with biodiesel left the island of Barbados in the Caribbean Sea on March 10th on its bid to circle the world in less than 65 days, but as of March 13th, it was struggling to reach its first port in Panama. Tragically, on March 17th the boat collided with a small fishing vessel off the coast of Guatemala, injuring at least one fisherman. As reported, the Earthrace boat sustained considerable damage but rescued two out of three fishermen from the small boat and treated one man onboard while trying to evacuate him to a hospital. With the aid of the Guatemalan Navy, the man was delivered to a hospital and operated on immediately.

The Earthrace boat, described by its inventors as a wave-piercing trimaran, is constructed of carbon and kevlar composites with a sleek, hydrodynamic shape stabilized by two outriggers. The crew has faced a number of challenges with boat operation including carbon propeller failure and a cracked heat exchanger. As a result of the collision, the crew was confined to the boat at the naval base at Puerto Quetzal pending an investigation. After a judge found that the incident was an accident, Earthrace left Guatemala and is en-route to Acapulco, Mexico. Damage sustained in the accident will be repaired in Mexico. The team will then continue with their objective of setting a new world record for a powerboat to circumnavigate the globe. The team feels they have an extremely difficult challenge to get the record now, due to the amount of time they lost in Guatemala, but that they will do their best.

To see the futuristic boat go to:

<http://turbo.discovery.com/earthrace/earthrace.html>

DOE to Award up to \$168M to 13 Solar Projects

DOE announced in early March that it has selected 13 industry-led solar technology projects to negotiate for up to \$168M in funding starting in the current fiscal year (2007) through fiscal year 2009. The teams will share more than 50% of the project costs, for a total value of up to \$357M over three years. The projects will help to increase the annual US production capacity for photovoltaic (PV) systems from the 2005 level of 240 megawatts to 2,850 megawatts by 2010. Such an increase could reduce the cost of electricity produced by PV systems from the current level of 18 to 23 cents per kilowatt-hour to a more competitive 5 to 10 cents per kWh.

The teams selected have formed Technology Pathway Partnerships, which include more than 50 companies, 14 universities, three non-profit organizations, and two DOE national laboratories. The projects focus on a variety of technologies, including concentrating PV systems; crystalline silicon solar cells; thin-film PV technologies; organic solar cells; PV-integrated roofing products; PV modules with integrated electronics, including inverters; and manufacturing systems for silicon ingots, solar cells, and PV modules. **University of Central Florida** is a partner on the BP Solar International team that will focus on accelerating the development of multi-crystalline silicon technology for use in residential and commercial markets, using products specifically designed for these applications. The goals of the BP program are to achieve grid parity and increase production volume by analyzing and improving all aspects of the crystalline silicon PV business from raw materials through installation of the system on the customer's site. For more information go to:

http://www1.eere.energy.gov/solar/solar_america/

from EERE Network News

New Interior Guidance May Limit Number of Species Listed Under the ESA

Earlier this month, the U.S. Department of the Interior issued new guidance that may decrease the number of listings by the U.S. Fish and Wildlife Service. The guidance directs the Service to consider the status of a species with respect to the range in which it currently exists, rather than the historic range where it once existed. It also requires the Service to overcome a substantive rather than evidentiary burden to establish that a species is in danger of extinction throughout all or a significant portion of its range.

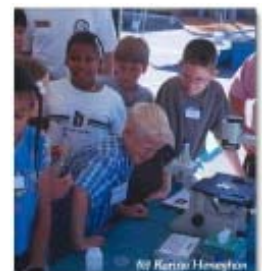
From Marten Law Group

Link:

<http://www.martenlaw.com/news/draft.php?20070328-esa-species-limit>

Marine Quest A Day Of Fun For The Entire Family!

Marine Quest offers events for all ages, including several hands-on activities that will help our younger visitors learn about the fascinating marine life found in our oceans. Kids can dive into the water with their hands and pick up horseshoe crabs, sea stars, spiny lobsters, and other marine critters commonly found in Florida's waters. Through the age-old practice of "gyotaku," or fish printing, they can create their own artwork. Kids can also learn how to make marine-related origami—such as fish and whales—have their faces painted, put together a manatee skeleton, touch sharks and rays, and much more!



**Saturday, April 21, 2007
10 a.m. to 4 p.m.**

Fish and Wildlife Research
Institute
100 8th Avenue Southeast
St. Petersburg, Florida

UPCOMING CONFERENCES

ENGINEERING SUSTAINABILITY 2007	APR 15-18	PITTSBURGH	www.engr.pitt.edu/msi/2007conference/confmain.htm
2007 NAEP ANNUAL CONFERENCE	APR 22-25	ORLANDO	WWW.NAEP.ORG
INTERNATIONAL SOIL AND WATER CONSERVATION SOCIETY-INVASIVE SPECIES SYMPOSIUM	JULY 21-25	TAMPA	WWW.SWCS.ORG
FLORIDA REMEDIATION CONFERENCE	OCT. 11-12	ORLANDO	WWW.ENVIRO-NET.COM
FLORIDA BROWNFIELDS ASSOCIATION 10 TH ANNUAL CONFERENCE & EXHIBITION	Nov. 7-9	ORLANDO	WWW.FLORIDABROWNFIELDS.ORG
17 TH ANNUAL CLEAN GULF EXHIBITION & CONFERENCE	NOV. 15-16	TAMPA	WWW.CLEANGULF.ORG

Fish and Wildlife Research Institute

Biologists Ask Public to Report Horseshoe Crab Sightings

Biologists at FWRI need help from the public in identifying horseshoe crab spawning beaches throughout the state. The best time to find horseshoe crabs spawning is around a high tide right before or just after the full or new moon. Observant beachgoers can report the time, date and location of horseshoe crab sightings through one of the following convenient options:

http://research.MyFWC.com/horseshoe_crab or email horseshoe@MyFWC.com

Dial toll-free 1-866-252-9326

Biologists Need Help From Public Collecting Tarpon Genetic Information

Biologists at FWRI need help from anglers in collecting genetic information from tarpon. The tarpon genetic recapture study gives anglers the opportunity to make a direct impact on state-of-the-art research. Anglers statewide can collect a DNA sample by removing a few skin cells from the outside of a tarpon's jaw using an abrasive pad provided in a free sampling kit. The tarpon can be any size. Scientists use the information to determine survival, health, migration and movement of tarpon in state waters. Obtain a free DNA sampling kit at:

E-mail tarpongenetics@myFWC.com or Call toll-free 1-800-367-4461

DOE Invests \$385 Million in Six Cellulosic Ethanol Projects

DOE recently announced that it will invest up to \$385 million in six biorefineries over the next four years. Once up and running, the biorefineries, located in California, Florida, Georgia, Idaho, Iowa, and Kansas, are expected to produce more than 130 million gallons per year of cellulosic ethanol. Combined with the industry cost share, more than \$1.2 billion will be invested in the new biorefineries. The six projects support President Bush's Twenty in Ten Initiative, which aims to increase the use of alternative fuels to 35 billion gallons per year by 2017.

Cellulosic ethanol uses non-food plant materials such as switchgrass, wood chips, and sawdust to produce alternative fuel. While the refining process for cellulosic ethanol is more complex than that of corn-based ethanol, cellulosic ethanol yields a greater net energy benefit and results in much lower greenhouse gas emissions. Of the six selected companies, four of them aim to employ processes that free the sugars from the biomass and then ferment them into alcohol. The two remaining companies, including ALICO, Inc., plan to first gasify the biomass into a "synthesis gas." ALICO will employ a unique process that feeds the synthesis gas into a fermenter to produce ethanol.

ALICO, Inc. of LaBelle, Florida won up to \$33 million for their project. The proposed plant will produce 13.9 million gallons of ethanol a year and 6,255 kilowatts of electric power, as well as 8.8 tons of hydrogen and 50 tons of ammonia per day. For feedstock, the plant will use 770 tons per day of yard, wood and vegetative wastes and eventually energycane. ALICO, Inc. investors/participants include: Bioengineering Resources, Inc. of Fayetteville, AK; Washington Group International of Boise, Idaho; GeoSyntec Consultants of Boca Raton, Florida; BG Katz Companies/JAKS, LLC of Parkland, Florida; and Emmaus Foundation, Inc. www.energy.gov/news/4827.htm

from EERE Network News

TBAEP BOARD

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TAMPA BAY ASSOCIATION OF ENVIRONMENTAL PROFESSIONALS

New Member? Yes No Renewal? Yes No Date _____

\$45 Chapter Membership *and* FAEP Membership \$10 Student Chapter Membership

National Association of Environmental Professionals Membership (optional)

\$150 NAEP only Dues (NAEP Member # _____)

First Name: _____ Last Name: _____

Title/Position: _____

Affiliation: _____

Address: _____

City: _____ State: _____

ZIP: _____ Phone (w): _____

Email: _____ Fax: _____

CEP? Yes No

Apr. newsletter

Employment: Academic Government Private

Type of Work: (1) Environmental Management (2) Environmental Planning (3) Environmental Compliance

(4) Biology-Botany, Ecology, Wildlife Management (5) Engineering

(6) Law (7) Environmental Consulting (8) Other

Area of Expertise: (10) Impact Assessment (20) Design (30) Permitting

(40) Monitoring/Analysis (50) Teaching (60) Research

(110) Waste Management (120) Other

Degree(s)/Year _____ University _____

AFFIRMATION: I hereby affirm and agree that I will abide by the Code of Ethics of the Association. I further understand that falsification of the contents of this application will be grounds for rejection and/or termination of my Association membership and revocation of all benefits resulting there from.

Signature _____ Date _____

Questions?
Contact Teri Hasbrouck
(Membership Services)
at 727-464-7319
THasbrouck@PinellasCounty.org

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Please make checks out to TBAEP