



TAMPA BAY ASSOCIATION OF ENVIRONMENTAL PROFESSIONALS

WWW.TBAEP.ORG

AIRNow - CHECK OUT TAMPA BAY AIR QUALITY

Did you know that you can find up-to-the-minute air quality data on the internet for Florida and other states? The Air Quality Index (AQI) is an index for reporting daily air quality. It tells you how clean or polluted your outdoor air is, and what associated health effects might be a concern for you. The AQI focuses on health effects you may experience within a few hours or days after breathing polluted air. EPA calculates the AQI for five major air pollutants regulated by the Clean Air Act: ground-level ozone, particle pollution (also known as particulate matter), carbon monoxide, sulfur dioxide, and nitrogen dioxide. For each of these pollutants, EPA has established national air quality standards to protect public health.

Click on the link below and find out what today's current air quality conditions are for particulates and ozone in either Tampa or Clearwater. You can either zoom in on the map or enter your zip code to get the information.

The U.S. EPA, NOAA, NPS, tribal, state, and local agencies developed the AIRNow Web site to provide the public with easy access to national air quality information. The Web site offers daily AQI forecasts as well as real-time AQI conditions for over 300 cities across the US, and provides links to more detailed State and local air quality Web sites.

The air quality data used in these maps and to generate forecasts are collected using either federal reference or equivalent monitoring techniques or techniques approved by the state, local or tribal monitoring agencies. Since the information needed to make maps must be as "real-time" as possible, the data are displayed as soon as practical after the end of each hour. FDEP works with the EPA to provide timely data for Florida communities. Both Pinellas and Hillsborough Counties provide AQI information and links to the EPA site.

For more information go to: <http://www.airnow.gov/>

TBAEP JUNE MEETING

Please join us at our next meeting on Wednesday, June 21st at 4:30 to hear Amanda Ransone from the Sierra Club talk about Red Tide issues. The Sierra Club is conducting community outreach that includes the background and history on red tide off of Florida's gulf coast as well as current facts about red tide's increasing intensity and frequency over the last few years and its environmental, human health, and economic effects on the region.

JUNE 2006

Mark your Calendar!

Upcoming Meetings:

- **June 21 - 4:30PM**
Amanda Ransone/Sierra Club
Red Tide & Coastal Pollution
EpiCenter at ICOT
- **July 20 - 5:30-7:30PM**
FAEP Annual Meeting at
Marco Island Chamber
Permitting School
Social Hour
- **Aug. 16 - 12:00 (lunch)**
Mike Lodato/Geosyntec
*Assessment & Remediation of
Dry Cleaner Sites in Florida*
EpiCenter at ICOT
- **Sept. 20 - 12:00 (lunch)**
Randy Runnels/FDEP
*Florida's Aquatic Preserve
Program*

NAEP

CALL FOR PAPERS

32ND ANNUAL CONFERENCE

Environmental Leadership:
Science, Education, Alliances
April 22-25, 2007 Orlando, FL

Go to: www.naep.org



Hybrids - What's The Big Deal?

You may have noticed several articles in our newsletter recently about hybrid cars. Although it is not a professional issue, it is an environmental one, and since we are in the market for a hybrid we thought we'd share some of the hybrid information with you, just in case you're looking at purchasing one too. So for the next few newsletters the last page will have current reporting and information on hybrids, and if you don't care, you can just skip that page, and if you are interested - enjoy.

FLORIDA BROWNFIELDS ASSOCIATION

Call for papers!

9th Annual Florida Brownfields Conference

The 9th Annual Florida Brownfields Conference and Exhibition will be conducted in Miami, Florida, on October 24-27, 2006 at the Hyatt Regency.

Tentative conference presentation topics areas include the following:

- Public/Private Partnerships
- Environmental Remediation and Site Management
 - Legal Implications and Regulatory Issues
 - Insurance and Funding Mechanisms
 - Site Redevelopment Issues
- Environmental Justice/Public Health Issues
 - State and Federal Grants

Go to www.FloridaBrownfields.org for an application.

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:

Darren Bishop
Edward Chesney
Ronald Donadio
Kerry Harkinson
Kevin Jameson
Nancy Page
Eric Saunders
Josh Schmitz
Brian Skidmore

A Better Image With Less Energy

On April 1, 2007 new energy specifications will go into effect for imaging office products such as faxes, printers, copiers and scanners. The EPA is challenging manufacturers to continue to make progress in developing energy efficient products for consumers. On average, Energy Star qualifying equipment will be 30% more efficient than conventional models. The revisions are expected to save consumers more than \$3 billion over the next five years and avoid greenhouse gas emissions equivalent to the emissions of more than four million cars. Imaging equipment accounts for 2% of total electricity expenditures. Under the updated specifications, only the most energy-efficient of today's imaging products will earn the Energy Star, representing the top of their class.

from US EPA News Release

INTERNSHIP OPPORTUNITIES

The intern program at the Florida Fish and Wildlife Research Institute provides an opportunity for students and postgraduates to obtain hands-on experience in marine science and related fields. Intern positions are unpaid, and the student is expected to contribute at least 8-10 hours per week for at least 10 weeks. Check out <http://research.myfwc.com/education> for more!

TAMPA BAY WATCH

ALL RELEASE TARPON RODEO

Friday, June 9th Registration & Hospitality Hour
Main Fishing Event

Saturday, June 10th 6:30AM-3PM
Angler Awards 3:30-5:30PM

Go to www.TampaBayWatch.org for details.

CASH PRIZES TOTALING \$5,000!!!

World Environmental & Water Resources Congress 2007

Restoring Our Natural Habitat

May 15-19, 2007

Call For Papers

Aquifer and Lake Recovery/Restoration • Applied Research in Water, Wastewater, and Stormwater Issues • BMP Technology • The Changing Face of the Engineering Workforce • Computational Hydraulics • Education & Research Engineering • History & Heritage • Environmental Processes in Restored Areas • Environmental & Public Health Interrelationship • Evolutionary Computation • EWRI Local Technical Group Activities • Groundwater Hydrology, Quality, and Management • International Issues • Irrigation & Drainage • Planning & Management • River & Wetlands Restoration • Standards Development for Habitat Restoration • Student Papers • Sustainable Development in Sensitive Environments • Watershed Management & Restoration

Session Proposals Due June 30, 2007

Contact: kckabbes@kabbesengineering.com

Fun in the Sun With Tampa Bay Watch Summer Camps

≈ Canoe through mangroves! ≈ Snorkel the bay! ≈ Explore bay islands! ≈

≈ Learn about bay inhabitants! ≈ Help make the bay better! ≈

June 12-16 students entering grades 4-6

July 10-14 students entering grades 7-9

Monday-Friday 9-4

jcreneti@tampabaywatch.org

UPCOMING 2006 CONFERENCES

CONTAMINATED AND HAZARDOUS WASTE SITE MANAGEMENT	JUNE 12-16	TORONTO, ONTARIO	WWW.CONTAMINATEDSITE.COM
ENVIRONMENTAL CONSERVATION: KEYS TO A SUSTAINABLE FUTURE	JUNE 16	ORLANDO	HTTP://WEB.FRPA.ORG/
FLORIDA CHAMBER'S 20 TH ANNUAL ENVIRONMENTAL PERMITTING SUMMER SCHOOL	JULY 19-21	MARCO ISLAND	WWW.FLORIDAENET.COM
FLORIDA LOCAL ENVIRONMENTAL RESOURCE AGENCIES	AUG 2-4	HYATT ON SARASOTA BAY	WWW.FLERA.ORG
FLORIDA BROWNFIELDS CONFERENCE	OCT	MIAMI	WWW.FLORIDABROWNFIELDS.ORG
FLORIDA REDEVELOPMENT CONFERENCE	OCT 18-20	MIAMI	WWW.REDEVELOPMENT.NET
US EPA NATIONAL BROWNFIELDS CONFERENCE	NOV 13-15	BOSTON	WWW.BROWNFIELDS2006.ORG
FLORIDA REMEDIATION CONFERENCE	NOV 14-15	KISSIMMEE	WWW.ENVIRO-NET.COM

SOUTHEASTERN COMMUNITIES ELIGIBLE FOR GRANTS TO REDUCE DIESEL EMISSIONS

The EPA is accepting proposals to fund projects within Region 4 (AL, FL, GA, KY, MS, NC, SC, TN) that will demonstrate effective emission control technologies and strategies, methods or approaches to reducing diesel emissions as part of the Southeast Diesel Collaborative. Proposals to fund projects under this announcement that demonstrate effective emission control technologies and strategies, methods or approaches to reducing diesel emissions must fall under at least one of the following categories to be considered for funding: Agriculture, Construction, Truck-based freight, or Public fleets. The due date for applications is July 7, 2006.

For more information go to: <http://www.southeastdiesel.org>

How Clean is the Electricity I Use?

Would you like to know how much green energy your electric company produces compared to the national average?

Check out this link to find out more: <http://www.epa.gov/cleanenergy/powpro/sreen1.html>

Pasco County ELASC

The next meeting for the Pasco County Environmental Lands Acquisition Selection Committee will be held **July 12 in Dade City at 6:30PM**. Contact Rene Brown at rbrown@pascocountyfl.net for more information.

Would you like to know what the average salary is for an Environmental Professional in the Tampa Bay Region?

Check out our website at www.tbaep.org under Announcements

NOAA Unveils *Teacher in the Air* Book



The NOAA Teacher at Sea program unveiled its second children's book, *Teacher in the Air*, before 12,000 educators at the National Science Teachers Association Conference. NOAA Teacher in the Air, Diane Staniski flew aboard the NOAA P-3 hurricane hunter during the 2005 East Coast Hurricane Awareness Tour. The book covers the hurricane research that is conducted aboard the aircraft, including the deployment of dropsondes, instruments that measure weather conditions within a hurricane.

from NOAA Magazine

Employment Opportunities

Position	Employer	Exp.	Contact	Info.
Project Manager	Woods Consulting	2 years min.	727-786-5747	Various permitting
Environmental Science and Policy Instructor	USF	teaching	http://usfweb2.usf.edu/HR/vacancy/	Teach & Advise
Brownfields Program Manager	Enterprise Florida	3 years	recruiting@advance-hr.com	Liaison & marketing
Management Intern	Pinellas County	Current Student	PinellasCounty.org/jobs	Brooker Creek Preserve/Education

Check out www.eco.org for other Environmental Internship opportunities!

LA Area Company Ordered to Pay \$450K for Toxics Cleanup

The EPA recently ordered Advanced Packaging and Products to pay for a cleanup estimated to cost \$450K that will address hazardous substances released onto the property following a January fire at the paint company's facility in Carson, CA that killed the plant manager and severely burned two employees. The LA County Fire Department put out the fire at the paint and automotive liquids blending and packaging firm. The Fire Department's Health Hazardous Materials Division began cleaning up the site before requesting the EPA's assistance. EPA officials discovered over 400 hazardous substances containers at the site, ranging from 5 gallon cans to a 5,000 gallon tank, containing isopropyl alcohol, toluene, xylene and other flammable materials.

from: EPA press release

"Green Computer" Registry

An online registry of "green computers" will give buyers information about which hardware is most environmentally sensitive and recyclable. The Green Electronics Council's Web site will rate individual product's using EPA criteria. The registry will be on epeat.net in a few weeks.

from: The Kiplinger Letter

Grassroots Greenhouse Gas Reductions

When it comes to global climate change initiatives, states and localities are up front and out there. In 2005 California developed rules to place limits on CO2 emissions from new cars and light trucks. They are being challenged in court right now but ten other states have said they will meet the same standards if the state's rules go forward. Seattle Mayor Greg Nickels is leading 200 mayors toward compliance with the Kyoto Protocol on greenhouse gases. Connecticut, Delaware, Maine, New Hampshire, New Jersey, New York, Vermont and Maryland have promised a 10 percent reduction in power plant emissions by 2019. Whether you call it global warming or climate change it's an issue that's being dealt with at the grassroots level.

from: *Governing*, May 2006

Wood-Burning Power Plants Planned for Four States

Projects are now planned or underway for wood-burning power plants in California, Minnesota, New Hampshire, and New York. In California, San Diego Gas and Electric Company (SDG&E) has signed a contract to buy 20 megawatts of power from Bull Moose Energy LLC starting in 2008. Bull Moose Energy plans to build a facility in southern San Diego County that will gasify tree trimmings and other biomass waste and convert it into electricity.

In Minnesota, the public utilities of two small cities—Virginia and Hibbing—are working together to add wood-fired boilers to each of their power facilities, which also provide district heating to their cities. Under the name of the Laurentian Energy Authority, the two utilities hold a contract to sell 35 MW of biomass power to Xcel Energy. Construction is underway, and the boilers should start providing steam to the cities' power plants by the end of the year. The utilities plan to start by using wood waste, but are developing tree farms that will provide a dedicated energy crop for the power plants.

In New York, Laidlaw Energy Group, Inc. has completed the financing for a 7-MW wood-fired power plant that will also supply heat to a lumber drying business. The project involves the conversion of an existing power plant that is currently fueled with natural gas. Meanwhile, the Public Service Company of New Hampshire (PSNH) has nearly completed its Northern Wood Power Project in Portsmouth. The project involves the replacement of a coal-fired, 50-MW boiler with a wood-fired boiler.

from: Energy Efficiency and Renewable Energy Network News

The Latest on Hybrid Cars

A recent call to the Clearwater Toyota Dealership resulted in the following information:

- The dealership has a 2 week - 2 month wait for the Toyota Prius,
- They are allocated 4-5 Prius, and 2 Camry hybrid models per month,
- You can go to Toyota.com to find out what options are available on each model,
- You can't order specific options, you wait and see what cars are in their allocation,
- You can deposit \$500 to reserve an incoming hybrid vehicle,
- They're only on the lot for a short time, so if you want to see one get there fast!

Basic Model Hybrid MSRP

Honda Insight - \$19,000
 Honda Civic - \$21,850
 Honda Accord - \$30,000
 Toyota Prius - \$25,000
 Toyota Camry - \$25,900

Not All Hybrids are Created Equal

The number of hybrid cars available is ramping up - just in time for rising gasoline prices and growing concerns over automobiles' effect on the environment. The bad news: The economic and environmental benefits of owning some hybrids are iffy. Five-year ownership costs show that even at today's gas prices, most hybrid sedans and SUVs can't save enough at the pump to recover their higher sticker prices. And because some new hybrids use their electric motors mainly to boost performance rather than to save gas and run clean, they're more celery green than forest green, environmentally speaking. The Toyota Prius and Honda Civic Hybrid, two of the oldest hybrids, offer ultraclean emissions and are also best relative values. If you're considering a hybrid, visit HybridCars.com Price Pulse, where you can compare prices - and waiting lists.

from Kiplinger's Personal Finance Advisor

Tax Credits

Current Models		
Make	Model	Estimated Tax Credit
Ford	Escape Hybrid (2wd)	\$2,600*
Ford	Escape Hybrid (4wd)	\$1,950*
Honda	Accord Hybrid	\$650**
Honda	Civic Hybrid (auto)	\$2,100**
Honda	Civic Hybrid (manual)	\$1,700**
Honda	Insight (auto)	\$2,600**
Lexus	RX400h	\$2,200*
Mercury	Mariner Hybrid	\$1,950*
Toyota	Camry Hybrid	\$2,600*
Toyota	Highlander Hybrid	\$2,600*
Toyota	Prius	\$3,150*
	*Confirmed by I.R.S.	
	**Estimated by American Council for an Energy Efficient Economy	

Upcoming Models (based on estimated specs)		
Chevrolet/GMC	Silverado/Sierra	\$250
Chevrolet/GMC	Silverado/Sierra	\$250
Lexus	GS450h	\$1,300
Nissan	Altima	\$1,300
Saturn	VUE Greenline	No info available
Toyota	Camry	\$1,300

Gas Mileage

Honda Insight:	City 61	Highway 68
Toyota Prius:	City 60	Highway 51
Honda Civic:	City 48	Highway 51
Honda Accord:	City 30	Highway 37
Ford Escape (2wd):	City 36	Highway 31
Ford Escape (4wd):	City 33	Highway 29
Mercury Mariner:	City 33	Highway 29
Toyota Highlander (2wd):	City 33	Highway 28
Toyota Highlander (4wd):	City 31	Highway 27
Lexus RX400h:	City 31	Highway 27

These figures represent EPA test numbers, which are commonly 10 - 20 percent higher than real-world fuel economy for hybrid and conventional vehicles.

Gas Mileage Impact Calculator

According to the Gas Mileage Impact Calculator at HybridCars.com I would save approximately \$675 per year if I traded my Camry (23 mpg) in for a hybrid Camry (39 mpg) at current gas prices. I would also save 4,527 pounds in emissions of greenhouse and other polluting gases.

Honda to Introduce New Hybrid Vehicle and Diesel Engine

Honda recently announced that it will introduce an all-new hybrid car in North America in 2009. The company says the new hybrid will be offered at a price "significantly lower" than the current Civic Hybrid. Honda will aim to sell 100,000 of the vehicles per year in North America, and 200,000 worldwide. The new hybrid vehicle will be produced at Honda's Suzuka plant in Japan. Honda is also hedging its bets by introducing an alternative approach to fuel economy: the company plans to start selling a new low-emission 4-cylinder diesel engine in the United States and Canada within the next three years.

Meanwhile, Honda has completed its revamping of the Civic line with the introduction of the updated Honda Civic GX. Fueled with natural gas, the 2006 Civic GX achieves the equivalent of 28 miles per gallon (mpg) in the city and 39 mpg on the highway, and went on sale last week with a manufacturer's suggested retail price of \$24,440. According to Honda, buyers of the 2006 Civic GX will be eligible for a federal tax credit of \$4,000 for the car and up to \$1,000 for the purchase and installation of "Phill," the convenient natural gas home refueling appliance. Honda estimates that drivers will spend about 65 percent less for fuel when driving a natural gas vehicle fueled at home. Phill is the home refueling appliance manufactured by FuelMaker Corporation that provides Civic GX owners a convenient and affordable method of refueling at home. Phill can be mounted to a garage wall, either indoors or outdoors, and allows the GX to refuel overnight directly from a homeowner's existing natural gas supply line. Phill is reported to sell for about \$2,000.

from: Energy Efficiency and Renewable Energy 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

June 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)
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THasbrouck@PinellasCounty.org

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