



## TAMPA BAY ASSOCIATION OF ENVIRONMENTAL PROFESSIONALS

[WWW.TBAEP.ORG](http://WWW.TBAEP.ORG)

### WHERE ARE THEY NOW?

In the upcoming months we will be featuring stories about the original founders of TBAEP. Back in July 1991, several Environmental Professionals (EPs) got together at Fort De Soto Park and decided to start a local chapter of the Florida Association of Environmental Professionals. They thought, and rightly so, that with so many Environmental Practitioners in the Tampa Bay region that an opportunity to work as a group was ripe for the picking. Most of these hard-working professionals were in their 30's and believed that power could be found in numbers. The first meeting of TBAEP was on August 29, 1991 and the original crowd of 27 included a number of people who have grown to become very active and successful in their field today.

TBAEP is actively seeking the next group of EPs to take the baton and move the organization into the future. We are seeking young professionals that want to be involved in an organization that will lead you, as an individual, to higher places. The current board of directors wants to mentor and foster leadership within the organization so that succession becomes a seamless occurrence. With this effort, TBAEP will become a sustainable organization.

As evidence of the success that can come from actively participating in TBAEP, we're going to tell you where those original founders are today. They are heads of companies, managers of whole divisions and departments, and some have been very active at the national level. Some have retired, but most have developed their reputations to the point that heads of local governments listen very closely to their scientific opinions. Each upcoming newsletter will include an article that will feature one of the founding members.

If you are in the dawn or midpoint of your career and you want to enhance your future opportunities, connect with the professionals of TBAEP and **join us** by investing your time and effort in a local organization that gives back as much as you give to it. Let's continue the level of excellence started in 1991.

#### **March Meeting**

Pinellas County is on an aggressive schedule to implement the Lake Seminole Watershed Management plan, which outlines a course of action for restoring water quality, fisheries and wildlife habitat, and improving recreational opportunities. Kelli Levy, Environmental Program Coordinator, will present projects that include habitat restoration projects, regional alum stormwater treatment facilities, and the lake dredging project.

FEBRUARY 2007

#### **Mark your Calendar!**

##### **Upcoming Meetings:**

- **Feb. 21 - 12:00-1:00**

Florida Aquarium

*Port Tampa Maritime History Survey*

Mike Terrell,

Diving Operations Supervisor

- **Mar. 12 - 5PM**

University of Tampa

*What do Environmental Professionals Really Do?*

- **Mar. 15 - Luncheon**

Joint luncheon with ASCE

*Lake Seminole Dredging Project*

Kelli Levy, Pinellas County

EpiCenter at ICOT

Link to map to EpiCenter:

[http://www.pced.org/download/document/20050526\\_170508\\_26332.pdf](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](http://www.naep.org)



## Pasco County Environmental Lands Acquisition Program First Preservation Purchase

Pasco officials closed a \$1.1 million deal today on 111.3 acres along the Pithlachascotee River - completing the first purchase of the county's environmental lands acquisition program. The site contains globally rare sandhill and high quality wetlands and is a designated wildlife corridor. The Upper Pithlachascotee River Tract is north of State Road 52, between US 41 and the Suncoast Parkway, and will be paid for with Penny for Pasco sales tax proceeds. County officials hope to secure state reimbursement for half of the purchase price plus about \$8,000 in closing costs, program manager Rene Weisner Brown said recently. The tract, part of the Quail Ridge Two development, includes a riverbed and a cypress tree estimated to be at least 200 years old that is documented in *The Historic Places of Pasco County*. County officials plan to create trails and open the land to the public. The property is accessible from S.R. 52, but county officials hope to buy an adjacent 11-acre parcel for safer entry. The smaller tract also is more suitable for a trail head, Brown said, and it includes a house that could be used as a nature center, a picnic shelter and a mobile home. Pasco voters in March 2004 approved a 1-cent sales tax increase in part to help fund the environmental lands program. The tax went into effect Jan. 1, 2005. Officials expect to collect \$39 million over the 10-year life of the tax for land acquisition.

Tampa Tribune

### Florida Welcomes Visitors to Colt Creek State Park

On Jan. 20<sup>th</sup> FDEP secretary Michael W. Sole joined Senator Paula Dockery and officials from both SWFWMD and Polk County to welcome visitors to Colt Creek State Park, the state's newest and 160<sup>th</sup> park. Purchased by DEP, SWFWMD and Polk County from the Overstreet family in May 2006, Colt Creek State Park is located in the Green Swamp and named after one of the Swamp's tributaries. The preservation of this area will protect an environmentally-sensitive area and safeguard Florida's water supply for future generations. Guests at the park's grand opening participated in ranger-led tours of the area's pristine waterways, wildlife habitat and natural resources. Year round visitors will be able to hike and ride horses, and currently have access to a covered pavilion, picnic tables and grills, and information kiosk as well as a parking area. Resembling a plateau, the more than 5,000-acre site north of Lakeland, includes two major tributaries to the Withlacoochee River as well as 1,000 acres of longleaf pine forest. The property is also habitat to abundant native wildlife including the sand skink, blue-tailed mole skink, gopher tortoise and bald eagle.

Extending throughout Lake, Polk, Sumter and Pasco counties, the Green Swamp encompasses more than 500,000 acres of cypress swamp and pasture. With the highest groundwater elevation in the peninsula, Green Swamp is critical to maintaining the flow of water from the Floridan Aquifer, which gives rise to four major rivers in the region - the Withlacoochee, Oklawaha, Hillsborough and Peace Rivers.

From Depnews

### 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:

<b>Heather Berntsen</b>	<b>Manitia Moultrie</b>
<b>Ryan Brooks</b>	<b>Denise Palmer</b>
<b>Rene Brown</b>	<b>Ryan Peirce</b>
<b>Dale Caldwell</b>	<b>Melisa Reiter</b>
<b>Ronald Daniel</b>	<b>Anne Schmidt</b>
<b>Anthony Grasso</b>	<b>Steve Swingle</b>
<b>Vivienne Handy</b>	<b>Wendy Valle</b>

### Employment Opportunities

Position	Employer	Exp.	Contact	Info.
Senior Biologist	EarthBalance-Davenport Office	5 yrs	<a href="mailto:Kburnett@earthbalance.com">Kburnett@earthbalance.com</a>	Permitting, Project Management Administrative & Fieldwork
Env. Lands Program Coord.	Pasco County	2 yrs	<a href="http://www.pascocountyfl.net">www.pascocountyfl.net</a>	

## University of Tampa Student Chapter

The UT chapter has elected the new co-chairs for 2007. They are Breanna Ondich and Leandra Darden; both are freshman in the environmental science program and have many good ideas. We met with them recently to discuss how TBAEP can support the chapter and help them meet their goals.

Their ideas include development of a web page, creation of a promotional flyer, establishing a recycling program at UT, identifying volunteering and internship opportunities, and providing opportunities for interaction with practicing professionals.

To provide more opportunities to meet with Environmental Professionals, TBAEP has developed two distinct programs. The first will be a meeting at UT on March 12<sup>th</sup> at 5PM to give presentations on what EPs do. We have done this in the past and it was well received by the students and the professionals. If you are interested in participating, please contact Bruce Hasbrouck at [bhasbrouck@fallerdavis.com](mailto:bhasbrouck@fallerdavis.com) or 813/261-5136.

The second effort will involve providing an opportunity for the students to shadow our members. The student chapter has prepared a survey that it has distributed to their members. Each student will list the type of work in which they are interested such as wildlife surveys, jurisdictional determinations, agency meetings, or permit compliance inspections. In turn, we will identify a TBAEP member who is well suited to provide the shadowing opportunity. If you are interested, please contact Bruce Hasbrouck. This is a great chance to help a student fully understand what is in store for them in the future.

Finally, TBAEP has awarded our first scholarship to Jessica Orlando. Jessica was instrumental in establishing the UT chapter and has demonstrated great leadership over the last two years. Her award includes a full registration at the NAEP conference in Orlando, lodging at the conference hotel, and meals during her trip.

Check out these sites for internship opportunities:

For Florida Fish & Wildlife Internships go to: <http://research.myfwc.com/careers/>

Manatee Tracking Project Research Intern or Volunteer

[http://research.myfwc.com/features/view\\_article.asp?id=23644](http://research.myfwc.com/features/view_article.asp?id=23644)

Check out [www.eco.org](http://www.eco.org) for other Environmental Internship opportunities!

Go to <http://www.naep.affiniscape.com/displaycommon.cfm?an=1&subarticlenbr=48> for national internship opportunities.

## hybridCARS.com

Americans purchased more than one-quarter of a million hybrid cars and trucks in 2006. So what will hybrid sales look like in 2007? Analysts' forecasts vary widely, projecting sales growth as low as 19% and as high as 86%. We're not sure which-if-any of those forecasts is the right one, but we're optimistic about the next year's hybrid sales for two reasons:

**Toyota is optimistic.** At the moment at least, Toyota drives the hybrid market. Their models accounted for more than three-quarters of all hybrid sales in 2006. The Toyota president estimates 2007 North American sales at 300,000 units, roughly a 50% increase from 2006.

**The number of hybrid offerings will expand dramatically.** In the next 12 months the number of vehicles offering hybrid powertrains will double. While some of the new vehicles are essentially just rebadged versions of existing hybrid models, other new models expand the hybrid footprint into new vehicle classes. Pay close attention to sales of the hybridized Chevy Tahoe, GMC Yukon, Cadillac Escalade, and Dodge Durango. See HybridCars.com - December 2006 Looking Ahead for more details.

## Florida Fish & Wildlife Event Calendar

Are you interested in regional events that involve the FWC Fish and Wildlife Research Institute? Check out their regularly updated calendar of events and activities to enjoy at:

<http://research.myfwc.cp./news/calendar.asp>

## Cross Bayou Canal Joe's Creek Cleanup

Want to go **kayaking** and clean up a waterway at the same time? Want to share a new adventure with your kids and give back to your community while having fun? Join Pinellas County Department of Environmental Management and Keep Pinellas Beautiful on Saturday, April 14<sup>th</sup> at 8:30AM and help clean up Cross Bayou Canal. The fun starts with registration at 8:30AM and ends at about 12:00. You can find out more information or reserve a craft of your own by calling Robert McWilliams at 464-4425. Participants under 16 years of age must be accompanied by an adult. Groups should pre-register by calling the Pinellas County Volunteer Services Program.

## 2006 Ranks Among the Warmest on Record Globally and at Home

Last year was the fifth warmest on record for the globe, according to NOAA. However, NOAA notes that uncertainties in the global calculations due to gaps in data coverage make 2006 statistically indistinguishable from other record warm years, including 2005 and 1998. According to NOAA, global temperatures have increased about a third of a degree Fahrenheit for the past 30 years, a trend consistent with that expected from the continued increases in global greenhouse emissions. Meanwhile, the average temperature for 2006 in the contiguous US was the warmest on record, although nearly equal to the earlier record, set in 1998. According to NOAA, the past nine years in the US have all been among the 25 hottest years on record, a hot streak that is unprecedented in the historical record. With an El Nino event currently causing elevated sea surface temperatures in much of the Pacific Ocean, the United Kingdom's leading meteorological organization is already predicting that 2007 will be the warmest year on record for the globe. According to the Met Office, global surface temperatures take a while to respond to the heating effect of El Nino events, so the current event is likely to elevate global temperatures for much of the year. The Met Office also noted that 2006 was the hottest year on record for the United Kingdom. In fact, the past five years are the five hottest years on record for the UK. For more information go to:

<http://www.ncdc.noaa.gov/oa/climate/research/2006/ann/ann06.html>

from *Energy Efficiency and Renewable Energy Network News*

### EPA Commits \$10 Million to Protect the Nation's Beaches

On Jan. 9<sup>th</sup>, the EPA announced that thirty states and five territories will share \$10 million in grants for beach water-quality monitoring and public notification programs. Beach water-quality monitoring helps local authorities identify what steps to take to reduce pollution and can lead to advisories or closures when bacteria concentrations reach unhealthy levels.

The grant amount is based on the length of the beach season, miles of beaches and number of beachgoers. All 35 coastal and Great Lakes states and territories maintain monitoring programs using the EPA funding. If all 35 eligible states and territories apply and meet the performance criteria, the top five states are expected to be:

Florida	\$534,700
California	\$522,920
Texas	\$385,180
New York	\$352,830
Puerto Rico	\$329,240

EPA News Release

### The Gadget That Watches Your Energy Bill

**The Problem:** When Danny Tuff was growing up in Newfoundland, Canada, his father often prodded him and his siblings to switch off the lights and turn down the heat. If only there were a way to plainly show how electricity translated into real money, his father used to say, people would waste less. Years later, Danny and his brother Maurice launched Blue Line Innovations and chose a home meter reader as one of their first projects.

**The "Aha!":** "We wanted a device that any customer could install without the help of an electrician," Danny says. But technical hurdles seemed too high. Then one afternoon, after Maurice's cat had been chasing the dot from his laser pointer, Maurice shot a beam through the bottom of a power meter. Could that be the answer? After modifying the idea to use low-power infrared instead of a laser to track a mark on the meter's spinning disk, they dropped other projects and raised \$4 million in financing.

**The Payoff:** The brothers presented their Power Cost Monitor to Ontario utility Hydro One, which found during a test that newly alert customers used an average of 6.5% less electricity. Hydro One bought 30,000 units, netting Blue Line a cool \$4 million. Now at least 50 more utilities, including Nstar in Massachusetts, are eyeing the device, which is cheaper and easier to install than technologies that let people track power usage online. In the end, it seems Dad was right-electricity can indeed translate into real money. Goggle Power Cost Monitor for more information. The device current sells for \$149.

From: Business 2.0

## Lame Duck Congress Reauthorizes and Revamps Magnuson-Stevens Fishery Conservation and Management Act

In its last hours, the 109<sup>th</sup> Congress surprised many observers by passing a bill reauthorizing and overhauling the Magnuson-Stevens Fishery Conservation and Management Act. The bill largely reflects consensus by the fishing industry, environmental groups, and the government on overdue management reforms needed for effective long-term stewardship of the nation's fisheries resources and related ecosystems. The Act was first enacted in 1976 to govern fishing activities, set harvest limits and manage conservation efforts. The eight fishery management councils prepare fishery management plans for finfish, shellfish, and crustaceans. While the act accomplished the goal of protecting American resources for harvest by Americans, it did not prevent overfishing of certain fish stocks, and did not comprehensively address the problems created by overcapitalization of the fishing industry in many fisheries. The reauthorization legislation requires the councils to end overfishing beginning in 2010 by setting catch limit quotas each year below the overfishing level established by the best available science. The legislation also allows the councils to put greater emphasis on ecosystem management with specific authority to prepare measures to conserve non-target species and habitat. Previously, the Act regulated only commercial fisheries. The new legislation will establish a regional registry system for recreational fishers. No fees can be charged as a result of the registry until Jan. 1, 2011. Although the legislation authorizes significant appropriations for its implementation ranging from approximately \$338 million in fiscal year 2007 to approximately \$397 million in fiscal year 2013, there is no guarantee that all or part of these amounts will be appropriated. In fact, NOAA's current operating budget was reduced by 20% under the continuing resolution passed by the 109<sup>th</sup> Congress to keep the government running until mid-February 2007.

From Marten Law Group: *Environmental News*

### Who Will Run the Plants?

If you walk the halls of Westinghouse or GE Nuclear, the top US builders of atomic power plants, you'll notice a buzz in the air - the first stirring of excitement since the 1970s. With many experts endorsing nuclear power as a clean replacement for coal-burning plants linked with climate change, nuclear players are gearing up to build more than 20 reactors, the first new facilities on US soil in decades.

Today, the average age of workers in the nuclear power sector is 48 - one of the oldest of any US industry. By 2010 about 27% of these workers will be eligible to retire - some 15,600 men and women. A further 7,600 or so are expected to exit the industry through turnover. That entire head count will need to be replaced to keep today's fleet of 104 reactors humming.

Factor in projected growth, and the situation is even more serious. A substantially larger workforce will be needed by 2010, when the first of two dozen proposed reactors enters the long design and construction process. Overseas, 27 plants are under way, 62 are on order or planned, and an additional 130 have been proposed. Even if only a fraction of those plants are built, the industry faces a "severe shortage of qualified workers", according to the American Nuclear Society. "We're probably getting 80% to 90% of what we need," says Andy White, president and CEO of GE Nuclear Energy Inc., whose reactors have already been selected for seven new US projects. In short, a whole generation of nuclear workers is missing.

From *Business Week*

### Wal-Mart Let the Sun Shine In?

Wal-Mart is falling for the sun. The retail behemoth in December put out a request for proposals to install solar panels at stores and distribution centers in five states, according to people who have seen the RFP. The project could take into account as many as 300 buildings and produce 150 megawatts of power, making the Wal-Mart installation the largest in the world, according to a solar industry executive who is one of the bidders. Wal-Mart has confirmed it made the call for bids, but it won't comment on the details. The company is exploring solar energy as a component for CEO Lee Scott's goal, announced a year ago, of eventually converting Wal-Mart's operations to 100% renewable energy. Among other things, the RFP asks vendors to outline how Wal-Mart could own its solar energy systems, lease them, or simply buy power from Wal-Mart roof panels owned by the solar company. The company plans to notify the winner at the end of February. Once it graduates from the exploratory phase and sees the capital costs involved, it might wind up balking at the ambitious project. But given Wal-Mart's sheer size, says the solar industry executive, installing panels on just 40% of company buildings would still dwarf other corporate solar installation efforts, including the biggest in the U.S.: Google's 1.6 megawatt project.

From *Business Week*

## UPCOMING CONFERENCES

NEW PARTNERS FOR SMART GROWTH	FEB 8-10	LOS ANGELES	<a href="http://WWW.NEWPARTNERS.ORG">WWW.NEWPARTNERS.ORG</a>
ENVIRONMENTAL CHALLENGES AND INNOVATIONS CONFERENCE	FEB 15	HOUSTON	<a href="http://WWW.TAEP.ORG/TAEP/CONFERENCE/DEFAULT.ASPX">HTTP://WWW.TAEP.ORG/TAEP/CONFERENCE/DEFAULT.ASPX</a>
23 <sup>RD</sup> ANNUAL GROWTH MANAGEMENT & ENVIRONMENTAL PERMITTING SHORT COURSE	FEB 21-23	DAYTONA BEACH	<a href="http://WWW.FLORIDAENET.COM">WWW.FLORIDAENET.COM</a>
INTERNATIONAL CONFERENCE ON SOLID WASTE TECHNOLOGY & MANAGEMENT	MAR 18	PHILADELPHIA	<a href="http://WWW2.WIDENER.EDU/~SXW0004/call.html">WWW2.WIDENER.EDU/~SXW0004/call.html</a>
ENGINEERING SUSTAINABILITY 2007	APR 15-18	PITTSBURGH	<a href="http://WWW.ENGR.PITT.EDU/MSI/2007CONFERENCE/CONFMAIN.HTM">WWW.ENGR.PITT.EDU/MSI/2007CONFERENCE/CONFMAIN.HTM</a>
NAEP ANNUAL CONFERENCE	APR 22-25	ORLANDO	<a href="http://WWW.NAEP.ORG">WWW.NAEP.ORG</a>
INTERNATIONAL SOIL AND WATER CONSERVATION SOCIETY-INVASIVE SPECIES SYMPOSIUM	JULY 21-25	TAMPA	<a href="http://WWW.SWCS.ORG">WWW.SWCS.ORG</a>

### Invitation to the NAEP 2007 Annual Conference

NAEP and FAEP invite you to the 32<sup>nd</sup> Annual NAEP Conference: *Environmental Leadership: Science, Education, Alliances*. This year's conference focuses on demonstrating how environmental professionals of all levels are working to solve many of the world's important issues through leadership in the areas of science; education; and the development of world-wide, national, regional, and local alliances.

NAEP has convened a variety of environmental professionals to discuss the latest research and practical knowledge on multidisciplinary issues, such as:

- The National Environmental Policy Act
- Wetlands Restoration/Mitigation,
- Sustainability/Smart Growth/Alternative Energy
- Environmental Issues in Real Estate
- Environmental Management Systems
- Water Rights and Water Quality
- Transportation
- Environmental Research and Studies
- Brownfields/Redevelopment
- Land and Watershed Management
- Public Participation
- Geospatial Technology
- Homeland Security

Through conference papers and posters, environmental professionals at all levels will demonstrate how they and others are assisting in solving a variety of problems encountered in each of these areas. Additionally, through training, NAEP will help environmental professionals learn better ways of approaching some of these issues. Those in attendance will also come to understand how important environmental leadership has been to solving a variety of issues in today's world including the rebuilding of the Florida Everglades and Louisiana's coasts after years of destruction. Presentations by keynote speakers and panels will demonstrate why each environmental professional should make it their goal to:

- Provide solid **Science** aimed at increasing the knowledge on today's important environmental issues;
- **Educate** others, enlightening them on the important factors in the fight towards solving today's important environmental issues;
- Build **Alliances** between various government agencies and the public that will work together in solving these important environmental issues.

Other conference highlights include a tour of Disney's Wilderness Preserve on Sunday, April 22<sup>nd</sup>, and a historical tour of downtown Orlando including its history museum on Wednesday, April 25<sup>th</sup>. In addition, all of our participants are invited to enjoy a fantastic evening at the President's Reception and social behind the scenes with Shamu at Sea World. We know you will not want to miss this year's conference. We look forward to seeing you in April!

Conference Co-Chair:  
Lynn McLeod, Battelle  
Duxbury, Massachusetts

Conference Co-Chair:  
Amy Wright, CPH Engineers  
Sanford, Florida

**TBAEP BOARD**

**President, Bruce Hasbrouck**  
BHasbrouck@FallerDavis.com

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HMaggio@birkitt.com

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WBB@johnsoneng.com

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Mlodato@geosyntec.com

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GFeher@tampabay.rr.com

**At-Large Member, Steve Swingle**  
SSwingle@ch2m.com

**Membership Services, Teri Hasbrouck**  
THasbrouck@PinellasCounty.org

**At-Large Member, Eric Hovland**  
Mad.scientist@verizon.net

**At-Large Member, Mindy Hogan**  
Melinda.Hogan@sqj02.usace.army.mil

**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

Feb 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

**Mail to:**  
TBAEP  
Bruce Hasbrouck  
Faller Davis & Associates, Inc.  
5525 W Cypress St., Suite 300  
Tampa, FL 33607

Please make checks out to TBAEP