



CITY OF DELRAY BEACH

SUSTAINABILITY ACCOMPLISHMENTS OCTOBER THROUGH DECEMBER 2010



1. Continued the process of applying for the Florida Green Building Coalition – Green Local Government Standard
2. Worked with the City's Green Implementation Advancement Board (GIAB), advisory board to the City Commission, on their proposed Icon Projects

Icon Projects Update

Downtown Area Trolleys

Assisted in developing the City's Tiger II (federal stimulus funded) grant through the US Department of Transportation, which is pending at this time. If awarded, this \$10,742,000 federal grant will fund pedestrian friendly improvements to US Federal Highway 1 and Martin Luther King Jr. Drive as well as the construction of a Compressed Natural Gas (CNG) fueling station and the purchase of CNG Trolleys that will replace the existing diesel fueled Downtown Shuttle buses.

Public Bike Sharing Program

Working with GIAB, City Staff and the local Delray Beach community to develop and implement a turnkey public bike sharing program that is privately funded. This project is expected to be considered a showcase project within the City and Palm Beach County that will contribute to the City's long term sustainability. In addition, other local communities have expressed an interest in participating in our program. This idea is planned to be discussed during the next countywide Sustainability Managers Meeting in mid-January 2011.

Community Gardens

Continued working with GIAB, City Staff and community members to determine the viability of developing a community garden(s) program within the City. This urban farming concept will be presented to the City Commission for approval and will include a proposed Ordinance regulating the development, operation and maintenance of City approved Community Gardens. In particular, all City approved Community Gardens are recommended to be approved under an agreement between the City and a requesting Homeowners Association (HOA). The Community Improvement (CI) Department has secured unbudgeted grant funding to support the basic infrastructure for the initial (i.e., PILOT) Garden project.

Land Development Regulations (LDR) "Sustainability" Amendments

Continued working with City Staff (Planning on Zoning Department) on potential Land Development Regulations (LDR) modifications that have been identified by GIAB. The proposed amendments would assist in ensuring that the City grows in a more green and sustainable manner. In addition, by developing a report on the status of these ideas, City staff will be in a

better position to respond and educate the community on the City's efforts to include green and sustainable development requirements within our development code.

Green Business Summit

Assisted GIAB in preparing a recommendation to the City's Economic Development Director and the City Commission on the development of a Green Jobs Summit to identify, promote and attract green and sustainable jobs within Delray Beach. In addition, assisted with the GIAB's development of a "green job" definition that will be utilized within the Delray Beach Community Redevelopment Agency's (CRA) new and existing financial green job incentives.

3. Four (4) Major Green & Sustainable Grant Programs:

EECBG Projects Update

Pompey Park Outdoor Lighting Project (Replace 116 outdoor lighting fixtures with 82 new, green fixtures) – this project was substantially completed on September 30, 2010. The City Commission later approved the contract closeout on November 16, 2010. This project is expected to result in significant annual cost savings to the City. The Parks & Recreation Department has committed to promoting the completion of the project (possibly at the opening of the league play) holding a ribbon cutting ceremony sometime in early 2011.

City Facility Retrofit Project (Install T-8 lighting and electronic ballasts, programmable thermostats and motion sensors in all City facilities) – this project is being completed in-house by City Staff to "get more bang for our buck." Approximately 70% of the lighting portion (i.e., T-8 Lights and electronic ballasts) of the project has been completed. City Hall has been completed and the other major buildings that are currently in process include the Police Department and Fire Station #1. With regards to the installation of motions sensors and programmable thermostats, it is estimated that no more than 5-10 % have been installed. This portion of the project is expected to be substantially completed following the installation new T-8 lighting and electronic ballasts by the end of fiscal year October 2011.

Example: The Police Department is approximately 40-50% complete; however, they are already experiencing noticeable savings and are estimating that, due to the efforts of Staff, they will save the City approximately \$30,000 annually.

TIGER II Grant Application Update

Awaiting award notification on the City's \$10.742 million federal stimulus grant application to support/fund the US Hwy 1 Modification Project (pedestrian friendly improvements from 10th Street to George Bush Boulevard), Martin Luther King Drive Improvements Project - Phase II, the purchase of 5 Compressed Natural Gas (CNG) Trolleys to replace the existing diesel fueled Downtown Shuttle buses and the development of a CNG Fueling station (private funds will be used to support this project).

Local Energy Assurance Plan (LEAP) Grant Project Update

This federal stimulus grant initiative permits the City to develop and standardize energy assurance and resiliency plans that can be relied upon during energy emergencies and supply disruptions. A key component of this grant includes identifying and planning for energy sustainability in the future to lessen the impact that an energy emergency may create. In addition, funding is available to support City personnel training costs.

Sustainable Communities Regional Planning Grant Award Update

The City was included within the Treasure Coast Regional Planning Council's application to develop a plan on how we can be more sustainable in the future. The award includes a group of Southeastern Florida cities and counties.

4. Worked on the development of Environmental Metrics (Environmental Dashboard) to ensure internal and external communication on the City's "sustainability" efforts – Water, Wastewater, Reclaimed Water, Solid Waste (including Vegetative, Bulk & Recycling), Energy (Electric & Gas) and Fleet
5. Participated in the bringing quality green and sustainability educational resources to the Delray Beach community, including:

Wyland Clean Water Mobile Learning Center – Kidsfest – October 30th 2010

Provided children and adults with an opportunity to participate in interactive water conservation activities. In addition, children learned ways to protect our environment and our limited resources.

Eagles Nest II Project – 232 NW 8th Avenue – AHS Construction Academy to incorporate green standards

The City is working with the CRA and through the Atlantic High School Construction Academy to enable high school students to construct a home that will incorporate green standards and serve as a green and sustainable educational tool for the students, contractors and community members.

6. Continued partnering with Florida Atlantic University (FAU) on the development of the City's Green House Gas Inventory project at no cost to the City. This is a substantial project that could be estimated to cost up to \$20,000 to \$30,000.
7. Working with a local non-profit to identify and locate up to five (5) electric vehicle charging stations throughout the downtown area at no cost to the City. Plug In Florida has committed to cover all costs for this project.
8. Continued working with Staff on the expansion of the City's PILOT Recycling Program. Currently, Staff is benchmarking the daily trash within numerous areas/facilities of the City – City Hall, IT Building, Risk Management & the City Attorney's Office. This aggressive recycling program has proven to be very successful and is hoped to be promoted to local businesses.
9. Continued planning for personal LEED Green Associate and LEED AP Neighborhood Development
10. Continued to develop green & sustainability educational information to be distributed to the public through City publications, press releases, the media (i.e., print, television & radio), social media, web site, intranet, E-mail subscriber list, etc.

News for Neighborhoods

Developed various green and sustainability educational articles, including project updates and reminders, for the City's monthly News for Neighborhoods newsletter that is distributed to all residential and business utility accounts (within their monthly billing statements). These

articles are intended to educate our residents about the City's green and sustainable programs, projects and services as well as to provide TIPS on how they can be aware of our limited resources and make a difference. As an example, the December 2010 News for Neighborhoods featured the "Life Cycle of Water" as well as various "Projects, Updates and Reminders": <http://preview.tinyurl.com/News-for-Neighborhoods-2010>

Hometown Connection

This quarterly newsletter is prepared by the Sustainability Officer/PIO to provide more "in depth" information on the City. This year, we included green and sustainability pages and articles within each of the City's Hometown Connection newsletters. In addition, the City dedicated its June 2010 Hometown Connection – Sustainability Report - to primarily focus on the City's green and sustainable efforts and accomplishments over the past year: <http://tinyurl.com/HC-Sust-Report>

Private Publications

The City of Delray Beach was selected by the Energy Digital Magazine and the Business Review USA, on-line publications that reach more than 1.2 million senior executives and 586,000 subscribers respectively, and will feature the City's green and sustainability goals and accomplishments. This project is currently in process and it is expected that a 6 to 8 page article on the City and its green and sustainability efforts will be included in the February 2011 edition.

Student & Teacher Local Government Training

Discussed green and sustainable lifestyle issues with students at Carver Middle School during Florida Government Week, which is sponsored by the Florida League of Cities. The City's Assistant City Manager, Education Coordinator and Sustainability Officer had an opportunity to educate our community's students on various aspects of local government as well as to provide them with the opportunity to meet and speak directly with our City Clerk and learn what it takes to be a successful Mayor, City Commissioner, City Manager, etc. The highlight of this exercise was that the students participated in a Mock Commission Meeting that included a decision on whether the City should amend its Code to permit chickens (Urban Farming) on residential properties, which are not allowed today. After the issue was considered, the students voted and determined unanimously that the City Code should not be changed to permit chickens in residential areas where they are not permitted today.

11. Attended numerous webinars, seminars and conferences on green and sustainability related issues (i.e., water conservation, energy efficiency, green economic development, green & sustainable grants, etc.)
12. Completed various sustainability related surveys to assist with the promotion of green and sustainable issues
13. Attended various Professional Organization Conferences, Symposiums, Workshops, meetings, etc. (i.e., Palm Beach Energy County/Cities Collaborative, USGBC – Palm Beach Chapter, etc.) to network with other municipal sustainability professionals, identify and discuss the implementation of new projects/programs and develop sustainable partnerships

Florida City and County Management Association's (FCCMA) Symposium – Topic: Energy Efficiency and Sustainability: Barriers and Best Practices for Local Governments

Participated as a panelist in the FCCMA's Symposium that discussed barriers to implementing sustainability initiatives within Florida's communities. This Symposium was geared toward educating local government managers from around the state on the importance of green and sustainability efforts. [Symposium Registration Flyer](#).

Palm Beach Energy County/Cities Collaborative

Continue to meet with other local government Sustainability professionals from around the county. This is a good opportunity to network and partner with other area communities in an effort to save on costs.

USGBC – Palm Beach Branch – Next Meeting – Seagate Hotel & Spa – September 23rd

Attended various USGBC – Palm Beach Branch Meetings (including a meeting in Delray Beach at the Seagate Hotel & Spa – green hotel), which proved to be an excellent educational opportunity and networking opportunity. During the Delray Beach meeting, the City's Mayor, Nelson S. "Woodie" McDuffie, welcomed sustainability professionals from around the County to Delray Beach and discussed a number of the City's accomplishments and goals with regards to the City's green and sustainable efforts.

Network of Energy Sustainable Communities (NESC) Regional Workshop

Worked directly with the Florida Network of Energy Sustainable Communities (NESC), which is funded by US Department of Energy (DOE) and is being developed by faculty at Florida State University (FSU), to host a regional workshop with Sustainability Officers and a separate meeting with County City Managers around Palm Beach County to discuss how cities, counties and other local governments within Palm Beach County and around the State can work together to purchase energy efficient items at lower costs (bulk purchasing), learn about best practices and possibly partner together under an Energy Service Company (ESCO) agreement. As a result of this Workshop in November 2010, the NESC expects that the DOE will look upon Palm Beach County in a very favorable light for their assistance with getting this program started. Following the success of this Workshop, the NESC plans to host additional work session others throughout the State and discuss bulk purchasing barriers that are present and attempt to identify solutions.

14. Attended various meetings and webinars to determine how the City can proceed with financing the construction of important capital projects and utilizing the energy savings to support the project(s) cost under an Energy Services Companies (ESCO).
15. Researched the viability of implementing a residential and/or a commercial Property Assessed Clean Energy (PACE) Program within the City.
16. Met with City Officials, members of the City's GIAB and the general public on green and sustainable issues.
17. Continue to develop and deliver a program of sustainable development initiatives through the integration of sustainable development principles into City of Delray Beach policies, projects and strategies.

18. Continue to educate Staff, residents, business and visitors on the need to increase knowledge of green and sustainable concepts and change existing culture to ensure implementation and projects. As a result, the introduction of new ideas/projects has required the assistance of multiple departments that has led to consistent recommendations to develop PILOT projects and promote successes.
19. Promoted local water resources conservation opportunities that the Delray Beach residential and business communities can actively use to conserve on water usage. In addition, Staff attended a webinar regarding the Environmental Protection Agency's (EPA) WaterSense program, which assisted in understanding and how to promote the broad range of water conservation measures that are now available within our community and through other governmental agencies. Valuable conservation information for adults and children can be found at www.epa.gov/watersense/
20. Development of a new electronic employee tool, called the Employee Forum, that enables employees (on the City's Intranet – not available to the public) to speak directly to the City Manager and/or other members of the City's senior leadership team. This new option will encourage and promote the distribution of information and transparency on a number of topics that includes Sustainability ideas.

Conclusion:

As a result of these efforts and the continued dialogue of the benefits of implementing green and sustainable practices, the view of the City's green efforts is encouraging. In particular, when compared with the efforts of other communities that are also new to this "discussion," Delray Beach compares extremely favorable and may be seen by some as a leader in its efforts to advance these types of ideas, activities, programs and/or services.

Delray Beach should be very proud of the green and sustainable efforts that have been completed to date. The City is doing many of the things that the other local governments are doing as well as undertaking programs that others are only now considering [i.e., GHG Inventory, obtaining grant funding for Compressed Natural Fueling (CNG) facility and 5 CNG Trolleys, working with consultants at no cost to the City, etc.].