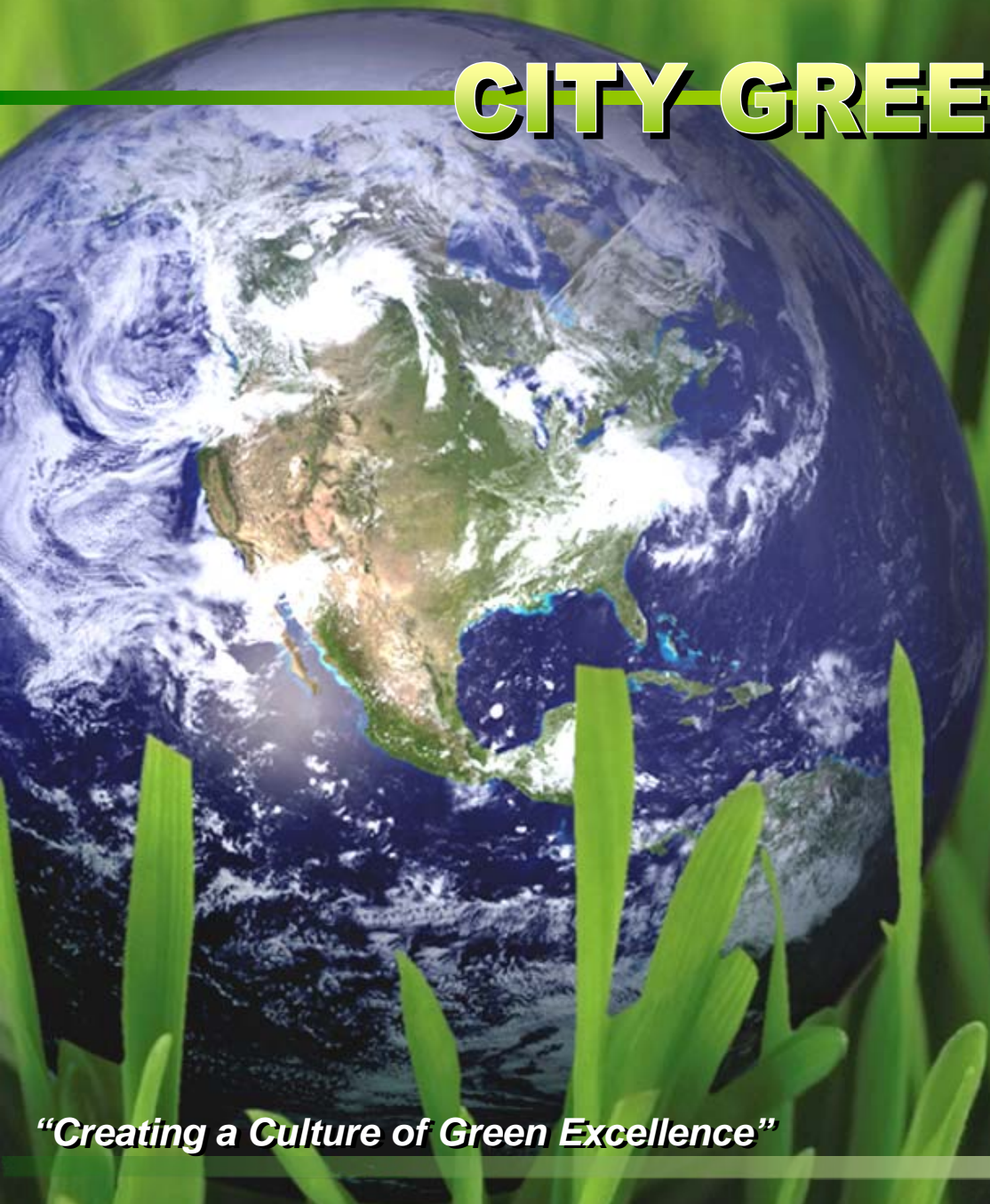


# CITY GREEN PLAN

2009



*“Creating a Culture of Green Excellence”*

**COCONUT  
CREEK**

BUTTERFLY CAPITAL OF THE WORLD®

## **ACKNOWLEDGEMENTS**

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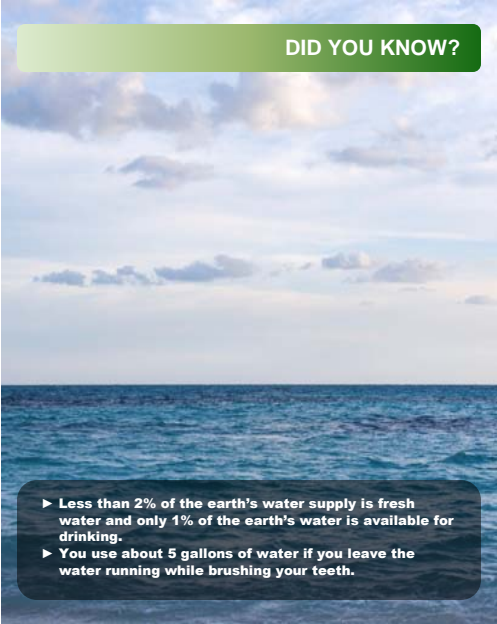
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 Arbor Day Foundation



# CITY GREEN PLAN

## INTRODUCTION

### Overview

In May 2009, an assembly of residents, business owners, City staff and City Commissioners participated in a visioning session called “Vision 2020.” The purpose of this assembly was to gather input on City-wide issues and to develop a *greenprint* for the future growth of the City. Discussion occurred under several categories, which included: Quality of Life and City Services, Economic Development and Environmental Preservation, and Education/Recreation/Cultural Resources.

During the assembly, a consistent theme was discussed under each category regarding the City’s green image. There was the overwhelming sentiment that the green movement must be infused throughout the community culture, promoted as a community focus, and contained in City operations. As a result, this comprehensive green plan has been developed to guide the City’s commitment toward a sustainable community.

The *City Green Plan* is a document that establishes a framework for achieving environmental leadership in the region with the adoption of a city green image, the identification of sustainable themes for plan measurement, a range of action steps, and a method for annual monitoring. Discussion focuses on the sustainable environment themes established through United Nations Urban Environmental Accords such as energy and water conservation, renewable energy, waste reduction, recycling efforts, green building design, transportation options, and climate change.

By implementing the action steps contained in this plan, the City will provide long-term benefits to the health and well-being of the community. Annual evaluations can provide assistance in community decision making based on the assessment and data of each action, and will most likely result in cost savings based on a diminished demand for resources. Since implementation timeframes may vary, this document has been developed using a timeline of one year to ten years with ultimate achievements by the year 2020. This timeframe is being used to align with the “Vision 2020” process completed by the City.

As part of a larger region, Coconut Creek is uniquely poised to lead green city planning with innovative and progressive solutions through annual evaluation. Successful implementation will ensure Coconut Creek remains unique, competitive, and a leader in South Florida while preserving the City environment for future generations. The *greening* of Coconut Creek is here!





### City Green Highlights

- 1989** - City receives its 1<sup>st</sup> Tree City USA designation by the Arbor Day Foundation
- 2000** - City holds 1<sup>st</sup> Annual Arbor Day Tree Giveaway celebration at City Hall
- 2001** - Hilton Road Greenway opens making it the 1<sup>st</sup> greenway trail in the City.
- 2002** - City Commission declares the City “Butterfly Capital of the World” on April 25<sup>th</sup>
- 2003** - Inaugural Butterfly Celebration and Butterfly Run is held
- 2004** - City receives the Emerald Award from Broward County for environmental preservation leadership
  - MainStreet Master Plan is unveiled illustrating a future sustainable downtown area
  - MainStreet Design Standards document is adopted by City Commission, requiring all buildings to receive Leadership in Environmental and Energy Design (LEED) certification by United States Green Building Council (USGBC)
- 2005** - City named the State of Florida’s first and the United States eleventh “Community Wildlife Habitat” by National Wildlife Federation
  - City employees begin working 4-day work week in effort to conserve energy
- 2006** - City Hall Courtyard and Butterfly Garden Enhancement Project is completed
  - Commission adopts Affordable Housing Linkage Fee Ordinance, first of its kind in the State of Florida, supporting workforce housing as part of a sustainable community
  - Promenade at Coconut Creek receives site plan approval as first project in the MainStreet Project Area
- 2007** - Commission adopts City-Wide Master Greenways Plan
- 2008** - Commission adopts Green Building Ordinance for projects outside MainStreet Project Area
  - Promenade at Coconut Creek opens first phase and receives LEED Pre-Certification Status from USGBC
- 2009** - City receives its 20<sup>th</sup> Tree City USA designation by Arbor Day Foundation
  - City receives Audubon Green Community Award by Audubon International
  - City participates in the Mayor’s Green Challenge
  - City launches a Sustainable Lecture Series
  - Development Services Department changes name to Department of Sustainable Development in effort to lead the next 20 years in green planning

# CITY GREEN PLAN

## GREEN IMAGE

### City Green Image

The branding of the City Green Plan is important. By utilizing a consistent *green image*, the community can identify programs and events that are a part of the green planning effort and embrace the image as part of a green community culture. The concept for the image is based on the Vision 2020 Assembly, Policy Statement, Section IV, where it states the following:

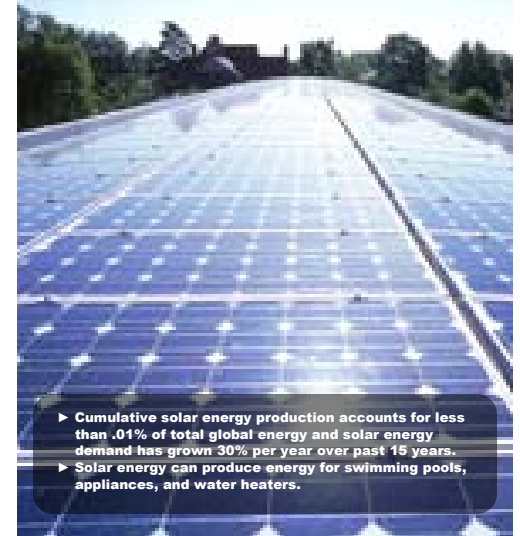
*The butterfly can be used as part of the City's branding and the phrase "Butterfly Capital of the World" or the butterfly logo can be used in a variety of ways to promote the City.*

In keeping with the above policy statement, the butterfly image created by the City, commonly dubbed "Fluffy" will be used as part of the image. The concept behind the symbol is to place Fluffy on top of two leaves with Fluffy representing the City and the leaves represent the environment. The *green image* shall be used on all programs, events, banners, posters, flyers, etc. that are directly related to the goals and action steps of this document. By adopting this document, the City Commission thereby adopts the *City Green Image*.



***"Creating a Culture of Green Excellence"***

### DID YOU KNOW?



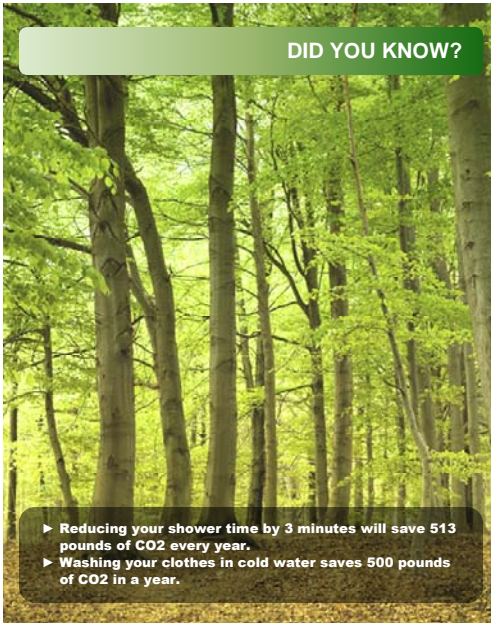
- ▶ Cumulative solar energy production accounts for less than .04% of total global energy and solar energy demand has grown 30% per year over past 15 years.
- ▶ Solar energy can produce energy for swimming pools, appliances, and water heaters.

### DID YOU KNOW?



- ▶ Americans go through 25 billion plastic bottles every year and it takes 700 years for a plastic bottle to biodegrade.
- ▶ Energy saved recycling one aluminum can could operate a TV for 3 hours.





### Defining Sustainability

*Sustainability* has become a wide-ranging term that can be applied to almost every facet of daily life, on a global to local scale, and occurring over time. It is a balance between extraction and renewal so not to cause an overall burden on the environment - a balance between resources used and resources created in order to meet present needs without compromising the ability of future generations to meet their own needs.

In 2007, the City of Coconut Creek signed the Mayors Climate Protection Agreement in recognition of the urgent need to address environmental issues. By signing this agreement, the City strives to adopt and promote policies on a range of environmental issues that impact our earth and commits to define *sustainability* for the community it serves.

### Thematic Areas for Plan Measurement

The City Green Plan outlines seven *thematic areas for plan measurement*. The themes follow the framework of the United Nations Green Cities Declaration and Urban Environmental Accords. The United Nations Green Cities Declaration is a collaborative call for action for cities to recognize that 75% of the world's resources creating our environmental challenges are consumed by cities. The Urban Environmental Accords contain action items for addressing environmental issues related to energy, waste reduction, urban design, urban nature, transportation, environmental health, and water issues. For the purpose of this plan, the following *thematic areas* will be used to measure the City Green Plan action steps:

#### **Energy**

Energy Efficiency – Renewable Energy – Conservation

#### **Water**

Water Efficiency – Water Conservation – Water

#### **Urban Design**

Green Building – Urban Planning – Economic Development

#### **Urban Nature**

Parks – Habitats – Wildlife

#### **Waste Reduction**

Recycling – Zero Waste – Citizen Participation

#### **Transportation**

Public Transportation – Greenway Network – Mobility

#### **Climate Change**

Carbon Reduction – Regional Leadership – Environmental Health

# CITY GREEN PLAN

## IMPLEMENTATION

### Current Green Accomplishments

As highlighted in the Introduction, the City has been establishing a green history for many years. This history is not just in trademark registration or awards or certifications but also in Coconut Creek regulatory requirements and operations. There have been many *green accomplishments* by City departments. For example, the MainStreet Design Standards, adopted in 2004, requires all buildings in the MainStreet Project Area to receive LEED® Certification and City janitorial services have been using Green Seal cleaning products for several years. In addition, departments have gone “paperless” and recycling bins have been supplied to each office workspace. All of these department efforts will be integrated into this plan. A brief summary of *green accomplishments* by each department is provided below.

#### City Manager

- Expand e-government access
- Promotion of “Butterfly Capital of World”

#### City Clerk

- Electronic retrieval of city documents
- Public meeting agendas and minutes online

#### Information Technology

- Purchase Energy Star compliant computer
- Desktop and printer power management
- Recycle ink cartridges
- Recycle computers
- Server virtualizations energy saving technique

#### Development Services

- Paper reduction, scanning of files
- Landscape Award program
- MainStreet and green building requirements
- E-gov services for payments\_
- Greenway trail construction
- Affordable/Workforce Housing programs
- Recycled paint program

#### Parks and Recreation

- E-gov services for online registration

#### City Attorney

- Paper reduction
- Legal review of “green” regulations

#### Finance and Administrative Services

- E-gov service for receiving electronic bills
- E-gov service for online bill payments
- Creation of PCard system for purchasing

#### Human Resources

- Online application procedures
- Wellness initiative
- Paperless internal procedures

#### Police Department

- Paperless internal procedures
- Nitrogen in PD car tires for improved mileage
- Uses bike patrol and T3 vehicles

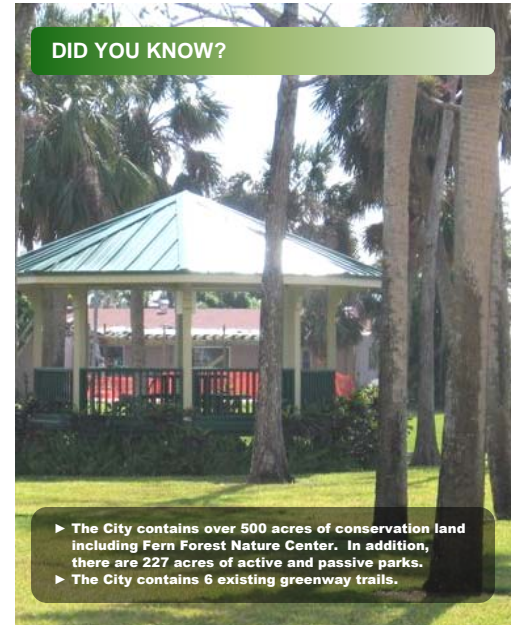
#### Fire

- Paperless procedures

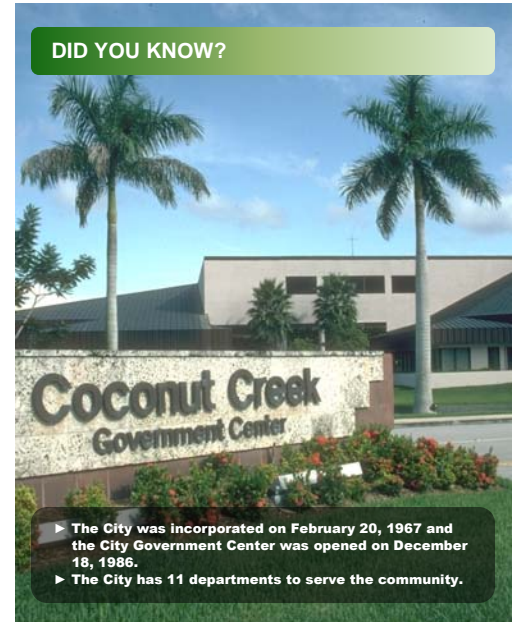
#### Public Services

- Solar energy, various projects and locations
- Energy efficient improvements in City buildings
- Enhancement of natural areas
- Increased recycling efforts, city hall and community

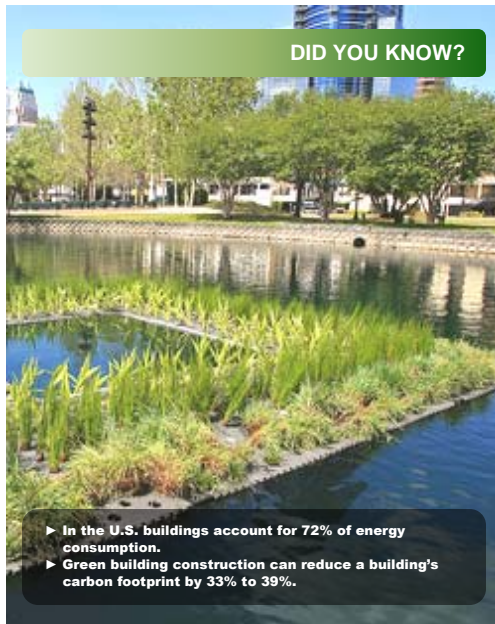
#### DID YOU KNOW?



#### DID YOU KNOW?







### Action Steps

The City Green Plan *action steps* contain a range of programs and initiatives for implementation that formulate a strategy toward achieving sustainability. Through each action, there are means to conserve energy and water, reduce waste, improve community participation, and demonstrate environmental stewardship while achieving greenhouse gas reductions. There are different levels of effort ranging from the City-controlled to voluntary community participation to regional leadership. All of the efforts are interrelated, and when implemented together, will define sustainability for the City.

Although the specifics of each action are not outlined in this document, the basic concept is described together with the sustainable themes for measurement, the existing status, and the departments responsible for implementation. There is no particular order for implementation and some *action steps* can be completed within short timeframes, while others will require a longer timeframe. As stated in the introduction, a ten-year timeframe will be used as the ultimate goal for implementation of this plan.

### Categorization of Action Steps

The action steps have been organized under nine *categories* in an effort to guide coordination throughout City departments and provide structure for measuring results. The nine *categories* are:

***Category 1: MainStreet and Green Development***

***Category 2: Urban Nature***

***Category 3: Energy Conservation***

***Category 4: Water Conservation and Reduction***

***Category 5: Waste Reduction and Recycling***

***Category 6: Sustainable Transportation and Mobility***

***Category 7: Community Outreach and Empowerment***

***Category 8: City Operations***

***Category 9: Regional Leadership***

## IMPLEMENTATION

### **Category 1: MainStreet and Green Development**

#### **Sustainable Theme: Urban Design**

##### **Action 1.1**

**Achieve LEED® Certification for all buildings in the MainStreet Project Area with at least 15% certified at Silver, Gold, or Platinum level.**

Purpose: The MainStreet Project Area is the City's adopted vision for a sustainable downtown, and as such, certification is critical to the success of this vision. By striving for higher certification levels, the City can promote the MainStreet area as one of the largest, contiguously certified projects in the country.

Status: Four projects registered, one project pre-certified.

Departments Responsible for Achievement: City Manager, Sustainable Development

##### **Action 1.2**

**Achieve LEED® Certification or Florida Green Building Coalition (FGBC) Certification on 50% of buildings outside the MainStreet Project Area.**

Purpose: Striving for certification outside the MainStreet Project Area should be encouraged and evaluated as a requirement during the project approval process.

Status: One project certified, three projects registered.

Departments Responsible for Achievement: City Manager, Sustainable Development

##### **Action 1.3**

**Achieve LEED® Certification for all new City constructed buildings, and when feasible strive for Silver, Gold, or Platinum certification level.**

Purpose: Successful achievement of this action will demonstrate the City's commitment to lead by example and will ensure that sustainable building designs and practices are incorporated into City-funded projects.

Status: No such ordinance exists.

Departments Responsible for Achievement: City Manager, City Clerk, Finance and Administrative Services, Sustainable Development, Public Services

##### **Action 1.4**

**Retrofit all City-owned buildings with green building techniques by 2020 and, where feasible, seek LEED® Existing Building Certification.**

Purpose: As City-owned buildings begin to age, it will be important to retrofit buildings with newer green building technologies, including energy and water usage, indoor air quality, and overall building efficiency.

Status: No such work plan exists.

Departments Responsible for Achievement: City Manager, Finance and Administrative Services, Sustainable Development, Public Services



### Action 1.5

**Create a “green” checklist by 2010 for use on all City projects such as engineering or landscape projects, permits, etc.**

Purpose: A green checklist will assist in project planning and product evaluation for any City-initiated project. This action will further the City’s commitment to sustainable community goals.

Status: No checklist exists.

Departments Responsible for Achievement: City Manager, Finance and Administrative Services, Sustainable Development, Public Services, Parks and Recreation

### Action 1.6

**Ensure 100% of new development projects throughout the City contain conspicuous displays of green technology that function in the project design while providing a social, artistic, and environmental value.**

Purpose: Displays of green technology and art that function in the project design will provide an opportunity for green building techniques that are typically hidden from public view to be visible, thereby providing a social and practical function.

Status: Recommended during the DRC process.

Departments Responsible for Achievement: Sustainable Development

### Action 1.7

**Create a MainStreet Workforce Housing Incentive Program by 2010 in order to provide additional density for projects that demonstrate superior green building design while providing workforce housing, including those projects that seek LEED® Certification at Silver, Gold, or Platinum level.**

Purpose: The MainStreet Project Area is the City’s adopted vision for a sustainable downtown, and as such, workforce housing is a key component. By providing a density incentive, the City furthers the vision for a sustainable downtown.

Status: No program exists.

Departments Responsible for Achievement: City Manager, Sustainable Development

### Action 1.8

**Create an educational eco-village within the MainStreet Project Area that can promote the dual-use of school facilities and provide for eco-cultural activities.**

Purpose: The MainStreet Project Area is the City’s adopted vision for a sustainable downtown and the efficient use of land is a sustainable practice. By promoting dual-use of a facility, it reduces the need for additional construction. In addition, the City should consider using City-owned land for eco-cultural activities which may reflect the uniqueness of Coconut Creek.

Status: No educational eco-village plan exists.

Departments Responsible for Achievement: City Manager, Finance and Administrative Services, Sustainable Development

### Action 1.9

**Increase residential density and promote mixed-use for projects that support planned long-range transportation systems such as the U.S. 441/State Road 7 corridor or Educational Corridor.**

Purpose: The action would coordinate land use and transportation planning to ensure future development is sustainable for appropriate areas such as the U.S. 441/State Road 7 corridor.

Status: City has the ability to increase density through the utilization of flex and reserve units.

Departments Responsible for Achievement: Sustainable Development



## IMPLEMENTATION

### **Category 2: Urban Nature**

#### **Sustainable Theme: Urban Nature**

##### **Action 2.1**

**Achieve 40% tree canopy coverage throughout the City with maximum tree coverage on public and private land by 2020.**

Purpose: Increasing tree canopy benefits the City as a whole and provides a social, economic, and environmental value to the community.

Status: Ongoing programs exist, including the Annual Tree Giveaway, Landscape Award Program, SouthCreek Tree Program, and a city-wide tree inventory.

Departments Responsible for Achievement: City Manager, Sustainable Development, Public Services

##### **Action 2.2**

**Achieve 40% greenroof coverage for new construction in MainStreet Project Area and 10% greenroof coverage for new construction for areas outside of MainStreet.**

Purpose: Greenroofs can contribute to the overall tree canopy of the City and provide additional benefits to buildings energy efficiency. Greenroofs are vegetated roof covers as defined by the MainStreet Design Standards.

Status: MainStreet Design Standards require greenroofs on top of commercial and office buildings and on the top portion of parking structures. No requirement exists outside of the MainStreet area.

Departments Responsible for Achievement: City Manager, Sustainable Development

##### **Action 2.3**

**Ensure public access to passive parks, recreational areas, open space, or greenway trails within ½ mile of all residents by 2020.**

Purpose: Public parks enhance the quality of life for residents. By providing access, residents can utilize park facilities particular to their needs. In addition, the public can be more aware of open space and find a new appreciation of urban nature.

Status: Park and Recreation Department operates 21 city parks and offers 227 acres of active and passive parks and 32 acres of athletic fields.

Departments Responsible for Achievement: Sustainable Development, Parks and Recreation, Public Services



### Category 3: Energy Conservation

#### Sustainable Theme: Energy

- Action 3.1**     **Achieve a minimum of 40% of energy use for the MainStreet Project Area from renewable energy sources by 2020 or by completion of development in MainStreet.**  
Purpose: The MainStreet Project Area is the City's adopted vision for a sustainable downtown, and the use of renewable energy should be maximized in project design, development, and approval.  
Status: MainStreet Design Standards requires the use of sustainable energy in the building design.  
Departments Responsible for Achievement: City Manager, Sustainable Development
- Action 3.2**     **Utilize a minimum of 10% of publicly-owned land for alternative energy sources by 2020.**  
Purpose: The City should strive to utilize City-owned land for solar collectors and/or wind turbines for long-term energy generation to serve the needs of City buildings. If possible, the City should evaluate using County-owned land for similar use.  
Status: No evaluation being conducted at this time.  
Departments Responsible for Achievement: City Manager, Finance and Administrative Services, Sustainable Development, Public Services, Information Technology
- Action 3.3**     **Increase the use of solar power in residential areas by 40% by 2020.**  
Purpose: Solar energy options are extremely effective in smaller continuous loads, perfect for a residential unit. As such, the City should encourage solar power for residential use by educating residents on available rebates and permit process.  
Status: No program exists. Building division issues solar related permits and the number can be monitored by staff.  
Departments Responsible for Achievement: City Manager, Sustainable Development
- Action 3.4**     **Modify the City's Neighborhood Enhancement Grant Program making renewable energy projects eligible for application submittal with 50% of all grants toward renewable energy projects by 2020.**  
Purpose: A new section in the Neighborhood Enhancement Grant Program addressing renewable energy can encourage neighborhoods to seek alternative forms of energy for common areas such as lighting or pool pumps, thereby reducing energy consumption for neighborhoods and City as a whole.  
Status: The City has existing enhancement program that focuses on beautification, traffic calming, noise walls, hurricane tree canopy replacement, and wildlife habitat creation. The program is funded by the City during the annual budget process.  
Departments Responsible for Achievement: City Manager, Finance and Administrative Services, Sustainable Development
- Action 3.5**     **Ensure 20% of grants received by the City are for energy conservation projects.**  
Purpose: Given current Federal actions, such as the American Recovery and Reinvestment Act of 2009, the City should maximize grant opportunities that advance City-wide energy planning.  
Status: City is seeking money through the Energy Efficiency and Conservation Block Grants for energy projects.  
Departments Responsible for Achievement: City Manager, Finance and Administrative Services, Sustainable Development, Public Services, Information Technology



## IMPLEMENTATION

### Category 4: Water Conservation and Reduction

#### Sustainable Theme: Water

##### Action 4.1

**Ensure 100% of irrigation in the MainStreet Project Area is from on-site water collection or, if possible, reclaimed water.**

Purpose: The MainStreet Project Area is the City's adopted vision for a sustainable downtown, and restricting irrigation to on-site collection or reclaimed water is essential to water consumption reduction. Since green building construction is required for this area, creative on-site techniques may increase the ability to collect water on-site.

Status: City currently encourages the use of on-site water for irrigation. By restricting the MainStreet area, the City will reduce consumption that is considered wasteful when irrigating.

Departments Responsible for Achievement: City Manager, Sustainable Development, Public Services

##### Action 4.2

**Reduce residential water consumption by 10% by 2012 and by 15% by 2020 through a Residential Water Reduction Initiative.**

Purpose: By utilizing GIS, the City can identify residential lots that consume more water than other lots within a development. Residents may be unaware of possible leaks or options to conserve, and this initiative can achieve a reduction in water consumption while providing savings.

Status: No such program exists. The City did modify water fees in April 2009 to a tiered system with higher fees for higher consumption.

Departments Responsible for Achievement: City Manager, Sustainable Development, Public Services

##### Action 4.3

**Increase the availability of reclaimed water throughout the City by 2020.**

Purpose: The availability of reclaimed water is important to future development in the City, especially in the MainStreet Project Area. By providing reclaimed water, the City contributes to the reduction in ocean discharge and reduces the dependence on potable water.

Status: There are two sources of reclaimed water in the City, one on Copans Road and one on Wiles Road, west of the Turnpike.

Departments Responsible for Achievement: City Manager, Finance and Administrative Services, Public Services

##### Action 4.4

**Increase water conservation measures in cooperation with other government agencies.**

Purpose: As part of a larger region, the City must continue to participate in South Florida Water Management programs and restrictions and Broward County programs such as NatureScape.

Status: City currently participates in programs and restrictions.

Departments Responsible for Achievement: City Manager, Sustainable Development, Public Services

##### Action 4.5

**Convert water fixtures within City-owned buildings and facilities to water saving efficient fixtures by 2014.**

Purpose: By replacing water fixtures throughout City-owned buildings and facilities, the City can contribute to water reduction.

Status: City currently has initiated replacement of certain fixtures.

Departments Responsible for Achievement: City Manager, Sustainable Development, Public Services



### **Category 5: Waste Reduction and Recycling**

#### **Sustainable Theme: Waste Reduction**

##### **Action 5.1**

##### **Increase recycling throughout the City by 25% by 2014 and 50% by 2020.**

Purpose: By increasing recycling, the City can begin to reduce waste at the source of generation and maximize reuse/recycle efforts in the community. Older, non-residential properties should be assessed, information on resident responsibility should be promoted, recycling should be mandatory at any outdoor event, and penalties should be considered for excessive garbage collection.

Status: City requires recycling in all residential areas. Commercial areas that do recycle are required to use the City's franchise. MainStreet Project Area requires all users to recycle. City recycling ordinance could be strengthened.

Departments Responsible for Achievement: City Manager, Sustainable Development, Public Services

##### **Action 5.2**

##### **Create a "user-friendly" composting program by 2012 to reduce solid waste disposal.**

Purpose: Composting is the purposeful biodegradation of organic matter such as yard and food waste. By creating a "user-friendly" program, the City can reduce the amount of solid waste sent to landfills, present options to the community for on-site recycling, and further the City's goals to increase recycling efforts.

Status: No program exists at this time.

Departments Responsible for Achievement: City Manager, Sustainable Development

##### **Action 5.3**

##### **Require all construction and demolition debris to divert 75% of waste from landfills.**

Purpose: By adopting an ordinance, the City will establish a process and framework to divert construction and debris material from landfills, thereby contributing to zero waste reduction efforts, and will allow the City to monitor such action.

Status: City's MainStreet Design Standards contain requirements for material waste to be diverted and recycled. This requirement is not applicable to other parts of the City.

Departments Responsible for Achievement: City Manager, City Clerk, Sustainable Development, Public Service

##### **Action 5.4**

##### **Create a shredded paper program for the community by 2010.**

Purpose: The City should provide a program for residents and businesses to dispose of shredded personal and office paper where these types of papers are usually disposed of in trash by residents or businesses.

Status: There are similar programs conducted throughout Broward County that utilize a mobile service for disposal. City should seek funding options to implement this program.

Departments Responsible for Achievement: City Manager, Finance and Administrative Services, Sustainable Development, Police Department, Public Services



### **Category 6: Sustainable Transportation and Mobility**

#### **Sustainable Theme: Transportation**

##### **Action 6.1**

**Ensure the construction of an intermodal transit hub in the MainStreet Project Area by 2020 or completion of development in MainStreet.**

Purpose: As a sustainable downtown plan, the MainStreet area should contain an intermodal transit hub. Since public transportation is part of the county system, the City should coordinate meetings between public agencies and property owners in MainStreet Project Area.

Status: The MainStreet Design Standards state the need for coordination but does not mandate a transit hub.

Departments Responsible for Achievement: City Manager, Sustainable Development, Public Services

##### **Action 6.2**

**Improve mobility throughout the City by increasing the number of bus shelters, bicycle parking, bicycle lanes, greenway trails, and local bus shuttle service.**

Purpose: Public transportation options are essential to reduce vehicular miles within the community, and the construction of bus shelters will provide protection from weather conditions for the users. In an effort to promote other forms of mobility, the City should ensure that all new roads and reconstructed roads provide for bike lanes.

Status: Over the past several years, the City has coordinated efforts with BCT and DOT for the installation of typical shelters. Currently, the City is working with BCT in seeking stimulus money for custom design shelters. The City utilizes standards for the inclusion of bike lanes. The City adopted a Greenway Master Plan in 2007. The plan identifies greenway trails throughout the City that provide connection to existing sidewalks, parks, neighborhoods, commercial areas, and all leading to the MainStreet area.

Departments Responsible for Achievement: City Manager, Sustainable Development, Public Service

##### **Action 6.3**

**Implement a bike or car sharing program in the City by 2020.**

Purpose: Car sharing programs are used around the world as a model for car rental where people rent cars for short periods of time. This approach is appealing to people who typically drive short distances such as one end of the City to another. A program for bike or car sharing may be used for students living in the City seeking transportation to the Education Corridor, existing commercial plazas or for residents traveling around and to the MainStreet Project Area.

Status: No program exists.

Departments Responsible for Achievement: City Manager, Finance and Administrative Services, Sustainable Development

##### **Action 6.4**

**Implement an alternative vehicle parking program to designated parking areas for alternative vehicles in developments throughout the City by 2020.**

Purpose: A program to increase the number of designated parking spaces for alternative vehicles would add to the City's commitment on greening the City and send a clear message on sustainable transportation. This concept is encouraged by the USGBC during the LEED® Certification. It may also include electrical outlets for electrically powered vehicles.

Status: No program exists.

Departments Responsible for Achievement: City Manager, Sustainable Development





### **Category 7: Community Outreach and Empowerment**

**Sustainable Theme: Energy, Water, Waste Reduction, Climate Change**

#### **Action 7.1**

**Proclaim a City Green Day with the first City Green Day to be held in 2010.**

Purpose: The proclamation of a City Green Day can correlate with Earth Day, which is held on April 22<sup>nd</sup>. By designating a day, the City will bring local awareness to environmental issues and promote green planning efforts.

Status: No proclamation exists at this time.

Departments Responsible for Achievement: City Manager, City Clerk, Human Resources, Sustainable Development

#### **Action 7.2**

**Implement a City Green Award program to recognize homeowners, neighborhoods, and businesses that incorporate green and sustainable practices.**

Purpose: This program can formally recognize efforts in the community where green and sustainable techniques are practiced every day. A green audit can be conducted by staff to assist in the award process. The community benefit would be great as a result of cumulative award recognition. Awards can be given on an annual basis.

Status: No program exists at this time.

Departments Responsible for Achievement: City Manager, Sustainable Development

#### **Action 7.3**

**Implement a yearly green lecture series for the public on a variety of sustainable topics.**

Purpose: This action will serve a public purpose by educating residents, homeowners associations, and businesses on the benefits of going green through specific green and sustainable topics conducted by staff and experts.

Status: Staff has organization the first lecture series program for 2009-2010.

Departments Responsible for Achievement: City Manager, Sustainable Development

#### **Action 7.4**

**Seek Florida Green Building Coalition (FGBC) Local Government Designation by 2012.**

Purpose: The purpose of the certification is to establish a voluntary, statewide green standard for local governments in an effort to achieve green practices and functions in government operations.

Status: City has considered the designation but no formal determination has been made regarding application submittal.

Departments Responsible for Achievement: City Manager, City Attorney, City Clerk, Finance and Administrative Services, Information Technology, Human Resources, Sustainable Development, Police, Fire, Parks and Recreation, Public Services

#### **Action 7.5**

**Launch a community-wide outreach campaign on the City Green Plan with continuous program promotion.**

Purpose: As with any community planning effort, the City should educate and empower the community on the fundamental elements of the green plan and evoke behavioral changes through creative campaigning.

Status: City currently utilizes numerous means of communication including Cocogram, Website, CreekTV, Citizen's Academy, and Speakers Bureau.

Departments Responsible for Achievement: City Manager, Sustainable Development



## IMPLEMENTATION

### Action 7.6

#### **Create a City Sustainable Center on City-owned property by 2014.**

Purpose: A sustainable center can provide residents an opportunity to learn not simply from educational material but the actual visible functionality of sustainable efforts.

Status: No such center exists.

Departments Responsible for Achievement: City Manager, City Attorney, Finance and Administrative Services, Information Technology, Sustainable Development, Police, Fire, Parks and Recreation, Public Services



### Category 8: City Operations

*Sustainable Theme: Energy, Waste Reduction, Climate Change*

#### Action 8.1

**Improve indoor air quality in all City buildings by 2020.**

Purpose: A healthy indoor environment is important to the overall well-being of government workers. By eliminating certain chemical products or compounds, the City can ensure that workers are not exposed to hazardous chemicals. In addition, other measures can be implemented such as replacing fake plant material with live material, creating green procurement practices when purchasing items, and cleaning of air ducts.

Status: Public Services conducts air duct cleaning.

Departments Responsible for Achievement: City Manager, Finance and Administrative Services, Sustainable Development, Public Services

#### Action 8.2

**Advance emission controls on all City fleet vehicles to reduce emission by 50% by 2020.**

Purpose: The use of advanced emissions controls on public fleet reduces the particulate matter and smog-forming emissions that impact air quality.

Status: The City currently has bio-diesel fuel for fleet vehicles. However, there is opportunity to increase emission control on all fleet vehicles to set targets for improvement.

Departments Responsible for Achievement: City Manager, Finance and Administrative Services, Public Services

#### Action 8.3

**Increase the use of renewable energy sources in City buildings with 15% of building usage from renewable sources by 2020.**

Purpose: In an effort to conserve energy, City-owned public buildings should be upgraded with alternative energy and be continuously monitored for energy efficiency.

Status: Facilities staff has developed an assessment of City-buildings. The 2010 City budget proposes CIP items for energy efficiency such as HVAC equipment replacement, and the new Public Services/Communications Building may incorporate solar energy.

Departments Responsible for Achievement: City Manager, Finance and Administrative Services, Sustainable Development, Public Services, Information Technology

#### Action 8.4

**Reduce overall energy consumption on City owned sites by 20%.**

Purpose: In an effort to conserve energy, City-owned public buildings and properties should be continuously monitored for energy efficiency.

Status: Facilities staff has developed an assessment of City buildings. The 2010 City budget proposes CIP items for energy efficiency such as HVAC equipment replacement, and the new Engineering building will be evaluated for energy reduction.

Departments Responsible for Achievement: City Manager, Finance, Sustainable Development, Public Services, Information Technology



# CITY GREEN PLAN

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## IMPLEMENTATION

### Action 8.5

#### **Reduce paper consumption by 50% through a Paperwork Reduction Policy.**

Purpose: The purpose of this action is to reduce the amount of paperwork associated with City operations and will advance the City's E-government access goals. A paperwork reduction ordinance would require, when practical, all information to be submitted electronically, City records to be maintained electronically, and may present opportunity to increase the use of other E-government or web-based technology.

Status: No such policy exists although all departments strive to reduce paper consumption.

Departments Responsible for Achievement: City Manager, City Attorney, City Clerk, Human Resources, Information Technology, Sustainable Development

### Action 8.6

#### **Create a Sustainable City Coordinator position by 2010.**

Purpose: The purpose is to expand sustainable planning beyond the MainStreet Project with a specific coordinator position to develop and implement new green programs that advance the City's green image.

Status: A position is proposed (re-titled position) as part of the FY 2010 budget.

Departments Responsible for Achievement: City Manager, Finance and Administrative Services, Sustainable Development

### Action 8.7

#### **Create a City Green Team by 2010 with a representative from each department.**

Purpose: The purpose of a green team will be to evaluate city operations for opportunities to save taxpayer dollars and assist in the annual monitoring of this plan.

Status: No team exists at this time. However, there has been coordinated effort through the City Manager's office.

Departments Responsible for Achievement: City Manager, City Attorney, City Clerk, Finance and Administrative Services, Information Technology, Human Resources, Sustainable Development, Police, Fire, Parks and Recreation, Public Services

### Action 8.8

#### **Monitor greenhouse gas (GHG) emissions from City operations with a reduction target of 7% below 1990 levels by 2012 and 20% below by 2020.**

Purpose: The purpose is to monitor and evaluate City operations in GHG reductions in an effort to demonstrate the City's commitment to a healthy environment. A 2012 target has been identified consistent with the Kyoto Protocol.

Status: No monitoring mechanism has been created. A progress report is the most effective way and can be provided as part of the annual monitoring of this plan.

Departments Responsible for Achievement: City Manager, Information Technology, Sustainable Development, Public Service

### Action 8.9

#### **Increase the number of City vehicles using alternative fuels by 25% by 2014 and 50% by 2020.**

Purpose: The purpose of this action is to advance Action 8.8 through the City's fleet.

Status: This action will require annual evaluation based on available funds through the City's budget process.

Departments Responsible for Achievement: City Manager, Finance and Administrative Services, Public Service



### Category 9: Regional Leadership

#### Sustainable Theme: Climate Change

##### Action 9.1

###### **Participate in a regional or county Climate Action Plan.**

Purpose: Although individual cities can adopt policies, initiatives or action plans to reduce GHG, the region needs to have a collective plan that establishes success.

Status: Broward County currently has a climate change task force with subcommittees developing a climate action plan. The plan is expected to be completed in March 2010.

Departments Responsible for Achievement: City Commission, City Manager, City Attorney, Sustainable Development

##### Action 9.2

###### **Lead the effort to close the Waste Management Landfill.**

Purpose: Closure of the landfill will strengthen the City's goals on zero waste to landfills and improves local environmental health. In addition, closure may provide opportunities to utilize the land for renewable energy.

Status: Landfill is still operating.

Departments Responsible for Achievement: City Commission, Manager, City Attorney, Sustainable Development

##### Action 9.3

###### **Establish an eco-business hub for Northern Broward County, in the MainStreet Project Area, that generates jobs and advances a sustainable City tax base.**

Purpose: With the development of the MainStreet Project Area, the City has an opportunity to attract "green" jobs and create a local, sustainable economy.

Status: Current plans are associated with the MainStreet Design Standards. There is not a separate economic plan.

Departments Responsible for Achievement: City Manager, City Attorney, Sustainable Development

##### Action 9.4

###### **Create partnerships with local colleges and universities, such as Broward College and Florida Atlantic University, for sustainable research, pilot programs, and education courses.**

Purpose: Education facilities provide the greatest opportunity for new, innovative measures for the future. By partnering, the City can become a model for improvements in the realm of sustainable practices.

Status: Activity occurs with local elementary, middle, and high schools in the City, and the City has participated in Earth Day events at Broward College.

Departments Responsible for Achievement: City Commission, City Manager, City Attorney, Sustainable Development

##### Action 9.5

###### **Lead the effort for a local referendum on funding for regional transportation planning.**

Purpose: Regional transportation does not qualify for many federal funds due to the lack of a local funding source.

Status: A local penny sales tax referendum was presented to the public several years ago but did not pass.

Departments Responsible for Achievement: City Commission, City Manager, City Attorney, Sustainable Development



## IMPLEMENTATION

### Action 9.6

**Create a new local business tax structure by 2012, which can become a regional model, based on sustainable business practices.**

Purpose: Sustainable business practices can be recognized through the local business taxing structure as a means of enhancing environmental efforts.

Status: The City's current system is based on uses and intensity of use.

Departments Responsible for Achievement: City Manager, City Attorney, Sustainable Development

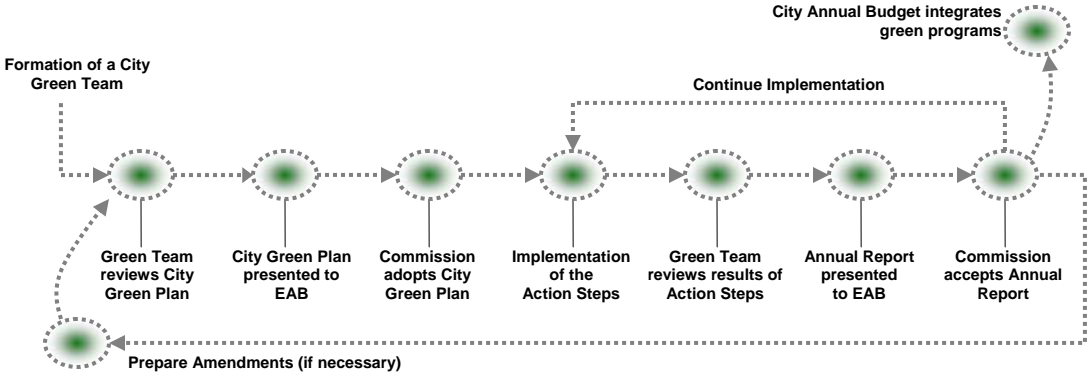




### Process

City-wide coordination is required to implement this plan. To assist with implementation of this document, the City should form a green team as identified in Action 8.7 of the Implementation Section. The formation of a green team is essential to achieving the goals of this document. The green team shall consist of City employees with one representative from each department, who will assist with action steps and the annual reporting. In addition, the City's Environmental Advisory Board (EAB) shall review the green plan and if necessary, provide recommendations to the City Commission on the plan.

The graphic below illustrates the *process* for the City's Green Plan. As depicted in the graphic, the EAB, the utilization of a green team, the action steps, and an annual report are key components to implementing this plan. In addition, the City's annual budget can be programmed with green efforts as approved by the City Commission.



### Annual Monitoring Report

The City Green Plan will be *monitored annually* through a City Green Plan Report. The Report will follow the progress of each action step outlined in this document and will act as a performance measurement tool for management, collaboration, and coordination. At the end of each calendar year, a report will be provided. The Report will contain a summary of accomplishments for that year by implementation category, identify the status of each action, list the measurements for each action, and summarize the results of each action. The City Green Plan Report will be a "report card" on the performance for the City Commission and public to review and will be presented upon the completion of each calendar year. The following pages contain the format for reporting on each action step together with preliminary annual measures. Actual results for each measure will be provided on the annual reports.



# CITY GREEN PLAN

## PLAN MONITORING

### Category 1: MainStreet and Green Development

		Sustainable Theme	Status of Action	Annual Measure
Action 1.1	Achieve LEED® Certification for all buildings in the MainStreet Project Area with at least 15% certified at Silver, Gold, or Platinum level.	Urban Design	In Progress	# of buildings proposed
				# of buildings constructed
				% of buildings certified
				% certified as Silver
				% certified as Gold
				% certified as Platinum
Action 1.2	Achieve LEED® Certification or Florida Green Building Coalition (FGBC) Certification on 50% of buildings outside the MainStreet Project Area.	Urban Design	In Progress	# of buildings proposed
				# of buildings constructed
				% of buildings certified
Action 1.3	Achieve LEED® Certification for all new City constructed buildings, and when feasible strive for Silver, Gold, or Platinum certification level.	Urban Design	Undetermined	City Ordinance adopted
				# of city projects proposed
				# of projects constructed
				# certified
Action 1.4	Retrofit all City-owned buildings with green building techniques by 2020 and, where feasible, seek LEED® Existing Building Certification.	Urban Design	Undetermined	Create annual work plan
				# of retrofitted buildings
				# seeking certification
				# certified
Action 1.5	Create a “green” checklist by 2010 for use on all City projects such as engineering or landscape projects, permits, etc.	Urban Design	Undetermined	Creation of checklist
				# of city projects





**Category 1: MainStreet and Green Development (cont.)**

<b>Action 1.6</b>	Ensure 100% of new development projects throughout the City contain conspicuous displays of green technology that function in the project design while providing a social, artistic, and environmental value.	<b>Sustainable Theme</b>	<b>Status of Action</b>	<b>Annual Measure</b>
		Urban Design	Undetermined	# of projects
				# of conspicuous displays
<b>Action 1.7</b>	Create a MainStreet Workforce Housing Incentive Program by 2010 in order to provide additional density for projects that demonstrate superior green building design while providing workforce housing, including those projects that seek LEED® Certification at Silver, Gold, or Platinum level.	<b>Sustainable Theme</b>	<b>Status of Action</b>	<b>Annual Measure</b>
		Urban Design	Undetermined	# of projects
				# of projects seeking incentive
<b>Action 1.8</b>	Create an educational eco-village within the MainStreet Project Area that can promote the dual-use of school facilities and provide for eco-cultural activities.	<b>Sustainable Theme</b>	<b>Status of Action</b>	<b>Annual Measure</b>
		Urban Design	Undetermined	# of city-owned parcels
				# of parcels used
<b>Action 1.9</b>	Increase residential density and promote mixed-use for projects that support planned long-range transportation systems such as the U.S. 441/State Road 7 corridor or Educational Corridor.	<b>Sustainable Theme</b>	<b>Status of Action</b>	<b>Annual Measure</b>
		Urban Design	In Progress	# of projects
				% of projects that are mixed-use
				% of projects with higher density



### Category 2: Urban Nature

Action	Description	Sustainable Theme	Status of Action	Annual Measure
		Urban Nature	In Progress	# of trees at free giveaway # of trees - city inventory # of landscaping awards # of acres of natural conservation areas % estimated in tree canopy coverage
Action 2.2	Achieve 40% greenroof coverage for new construction in MainStreet Project Area and 10% greenroof coverage for new construction for areas outside of MainStreet.	Sustainable Theme	Status of Action	Annual Measure
		Urban Nature	In Progress	# greenroofs in MainStreet % in MainStreet # greenroofs outside MainStreet % outside MainStreet
Action 2.3	Ensure public access to passive parks, recreational areas, open space, or greenway trails within ½ mile of all residents by 2020.	Sustainable Theme	Status of Action	Annual Measure
		Urban Nature	In Progress	# of passive parks within ½ mile # of recreational within ½ mile # of open space within ½ mile # of greenways within ½ mile % of all



**Category 3: Energy Conservation**

		<b>Sustainable Theme</b>	<b>Status of Action</b>	<b>Annual Measure</b>
<b>Action 3.1</b>	Achieve a minimum of 40% of energy use for the MainStreet Project Area from renewable energy sources by 2020 or by completion of development in MainStreet.	Energy	Undetermined	% from solar
				% from wind
				% from hydropower
				% from other source
				Total % for MainStreet
<b>Action 3.2</b>	Utilize a minimum of 10% of City-owned land for alternative energy sources by 2020.	Energy	Undetermined	# of city properties available
				# of projects planned
<b>Action 3.3</b>	Increase the use of solar power in residential areas by 40%by 2020.	Energy	In Progress	# of existing homes with solar
				# of permits issued
				% of residential
<b>Action 3.4</b>	Modify the City's Neighborhood Enhancement Grant Program making renewable energy projects eligible for application submittal with 50% of all grants toward renewable energy projects by 2020.	Energy	Undetermined	Modification of grant application
				# of grants applied for
				# of applied grants for energy
				% of residential neighborhoods
<b>Action 3.5</b>	Ensure 20% of grants received by the City are for energy conservation projects.	Energy	In Progress	# of grants applied for
				# of grants received
				Value of grants



# CITY GREEN PLAN

## PLAN MONITORING

### Category 4: Water Conservation and Reduction

Action 4.1	Ensure 100% of irrigation in the MainStreet Project Area is from on-site water collection or, if possible, reclaimed water.	<b>Sustainable Theme</b>	<b>Status of Action</b>	<b>Annual Measure</b>
		Water	In Progress	# of MainStreet projects
				# with on-site water collection systems
				# with reclaimed water
Action 4.2	Reduce residential water consumption by 10% by 2012 and by 15% by 2020 through a Residential Water Reduction Initiative.	<b>Sustainable Theme</b>	<b>Status of Action</b>	<b>Annual Measure</b>
		Water	Undetermined	# of properties targeted for high consumption
				water consumption decreased per capita
				water consumption by tier schedule
Action 4.3	Increase the availability of reclaimed water throughout the City by 2020.	<b>Sustainable Theme</b>	<b>Status of Action</b>	<b>Annual Measure</b>
		Water	In Progress	# of reclaimed water projects
				# of reclaimed water completed projects
				# of properties connected
Action 4.4	Increase water conservation measures in cooperation with other government agencies.	<b>Sustainable Theme</b>	<b>Status of Action</b>	<b>Annual Measure</b>
		Water	In Progress	# of programs and partnerships
				# of grants received
Action 4.5	Convert water fixtures within City-owned buildings and facilities to water saving efficient fixtures by 2014.	<b>Sustainable Theme</b>	<b>Status of Action</b>	<b>Annual Measure</b>
		Water	In Progress	# of projects planned
				# of completed projects
				amount of water saved



### Category 5: Waste Reduction and Recycling

		Sustainable Theme	Status of Action	Annual Measure
Action 5.1	Increase recycling throughout the City by 25% by 2014 and 50% by 2020.	Waste Reduction	In Progress	Single Stream Recycling implemented
				# of multi-family residential properties with and without recycling
				# of nonresidential properties with and without recycling
				# of programs promoting recycling
				# of participates in paint recycling program
Action 5.2	Create a “user-friendly” composting program by 2012 to reduce solid waste disposal.	Waste Reduction	Undetermined	Creation of composting program
				# of properties using composting
Action 5.3	Require all construction and demolition debris to divert 75% of waste from landfills.	Waste Reduction	Undetermined	Code revision completed
				# of demolition permits
Action 5.4	Create a shredded paper program for the community by 2010.	Waste Reduction	Undetermined	# of participates
				lbs. of paper shredded



# CITY GREEN PLAN

## PLAN MONITORING

### Category 6: Sustainable Transportation and Mobility

		Sustainable Theme	Status of Action	Annual Measure
Action 6.1	Ensure the construction of an intermodal transit hub in the MainStreet Project Area by 2020 or completion of development in MainStreet.	Transportation	In Progress	Transit hub in City's Comp Plan
				MainStreet Deign Standards requires hub
				# of meetings with other government agencies
				# of plans depicting hub
				# of property owners participating
Action 6.2	Improve mobility throughout the City by increasing the number of bus shelters, bicycle parking, bicycle lanes, greenway trails, and local bus shuttle service.	Transportation	In Progress	# of bus shelters installed
				# of bicycle parking installed
				# of linear feet of greenway completed
				# of shuttle riders per year
				# of promotions completed about mobility
Action 6.3	Implement a bike or car sharing program in the City by 2020.	Transportation	Undetermined	Annual Measure
				# of programs existing
				# of programs planned
Action 6.4	Implement an alternative vehicle parking program to designated parking areas for alternative vehicles in developments throughout the City by 2020.	Transportation	Undetermined	Annual Measure
				# of parking spaces
				# of spaces planned



### Category 7: Community Outreach and Empowerment

		<b>Sustainable Theme</b>	<b>Status of Action</b>	<b>Annual Measure</b>
Action 7.1	Proclaim a City Green Day with the first City Green Day to be held in 2010.	Energy, Water, Waste Reduction, Climate Change	Undetermined	Proclamation adopted
				# of participants
Action 7.2	Implement a City Green Award program to recognize homeowners, neighborhoods, and businesses that incorporate green and sustainable practices.	<b>Sustainable Theme</b>	<b>Status of Action</b>	<b>Annual Measure</b>
		Energy, Water, Waste Reduction, Climate Change	Undetermined	Create City Green Award program
				# of applicants
				# of awards
Action 7.3	Implement a yearly green lecture series for the public on a variety of sustainable topics.	<b>Sustainable Theme</b>	<b>Status of Action</b>	<b>Annual Measure</b>
		Climate Change	Undetermined	Create lecture series
				# of attendees
Action 7.4	Seek Florida Green Building Coalition (FGBC) Local Government Designation by 2012.	<b>Sustainable Theme</b>	<b>Status of Action</b>	<b>Annual Measure</b>
		Climate Change	Undetermined	Application submitted
				Certification received
Action 7.5	Launch a community-wide outreach campaign on the City Green Plan with continuous program promotion.	<b>Sustainable Theme</b>	<b>Status of Action</b>	<b>Annual Measure</b>
		Energy, Water, Urban Design, Urban Nature, Waste Reduction, Transportation, Climate Change	In Progress	# of press releases
				# of website promotions
				# of green productions on CreekTV
				# of articles in Creeklife
	# of banners			
				Create a "sustainability" wall in City Hall



### Category 7: Community Outreach and Empowerment (cont.)

Action 7.6		Sustainable Theme	Status of Action	Annual Measure
	Create a City Sustainable Center on City owned property by 2014.	Energy, Water, Urban Design, Urban Nature, Waste Reduction, Transportation, Climate Change	Undetermined	# of city properties available
				# of properties appropriate for center
				# of planned programs
				# of partnerships/sponsors





**Category 8: City Operations**

Action 8.1	Improve indoor air quality in all city buildings by 2020.	Sustainable Theme	Status of Action	Annual Measure
Action 8.2	Advance emission controls on all City fleet vehicles to reduce emission by 50% by 2020.	Climate Change	Undetermined	# of indoor air quality inspections
				# of indoor air quality improvements and cleaning projects # of fake plants removed from buildings
Action 8.3	Increase the use of renewable energy sources in City buildings with 15% of building usage from renewable source by 2020.	Sustainable Theme	Status of Action	Annual Measure
		Energy, Climate Change	In Progress	# of solar power projects/programs # of projects/programs (other renewable) % of city owned buildings using renewable energy source Average % of building usage from renewable energy source
Action 8.4	Reduce overall energy consumption on City owned sites by 20%.	Sustainable Theme	Status of Action	Annual Measure
		Energy, Climate Change	Undetermined	# of initiatives from IT on city-wide technology system energy consumption # of solar power projects/programs # of energy efficiency improvements (lighting and HVAC) # of city buildings certified as LEED® Savings per electric bills



# CITY GREEN PLAN

## PLAN MONITORING

### Category 8: City Operations (cont.)

Action 8.5	Reduce paper consumption by 50% through a Paperwork Reduction Policy.	Sustainable Theme	Status of Action	Annual Measure
Action 8.6	Create a Sustainable City Coordinator position by 2010.	Waste Reduction, Climate Change	In Progress	# of E-Gov solutions
		# paper reduction efforts		
				% of savings
Action 8.7	Create a City Green Team by 2010 with a representative from each department.	Sustainable Theme	Status of Action	Annual Measure
		Climate Change	In Progress	Green Team formed
Action 8.8	Monitor greenhouse gas (GHG) emissions from city operations with a reduction target of 7% below 1990 levels by 2012 and 20% below by 2020.	Sustainable Theme		Status of Action
		Climate Change	Undetermined	Set benchmark levels
		# of meetings held		
Action 8.9	Increase the number of City vehicles using alternative fuels by 25% by 2014 and 50% by 2020.	Sustainable Theme	Status of Action	Annual Measure
		Climate Change	Undetermined	# of department green programs and initiatives
		Set benchmark levels		
		# of programs achieving this action		
		# of vehicles in fleet		
# of fleet currently using alternative fuels				



### Category 9: Regional Leadership

Action 9.1	Participate in a regional or county Climate Action Plan.	<b>Sustainable Theme</b>	<b>Status of Action</b>	<b>Annual Measure</b>
		Climate Change	In Progress	# of public meetings # of governments participating
Action 9.2	Lead the effort to close the Waste Management Landfill.	<b>Sustainable Theme</b>	<b>Status of Action</b>	<b>Annual Measure</b>
		Climate Change	In Progress	# of city lead efforts Increase in waste to energy
Action 9.3	Establish an eco-business hub for Northern Broward County, in the MainStreet Project Area, that generates jobs and advances a sustainable City tax base.	<b>Sustainable Theme</b>	<b>Status of Action</b>	<b>Annual Measure</b>
		Climate Change	Undetermined	# of new businesses in MainStreet
				% of new businesses / eco-business related
				# of jobs created
				% of new jobs created where employees live and work in city or Northern Broward
Value of tax base				
Action 9.4	Create a partnership with local colleges and universities, such as Broward College and Florida Atlantic University, for sustainable research, pilot programs, and education courses.	<b>Sustainable Theme</b>	<b>Status of Action</b>	<b>Annual Measure</b>
		Climate Change	Undetermined	# of partnerships
				# of programs # of events
Action 9.5	Lead the effort for a local referendum on funding for regional transportation planning.	<b>Sustainable Theme</b>	<b>Status of Action</b>	<b>Annual Measure</b>
		Climate Change	Undetermined	# of public meetings # of action efforts
Action 9.6	Create a new local business tax structure by 2012, which can become a regional model, based on a sustainable business practices.	<b>Sustainable Theme</b>	<b>Status of Action</b>	<b>Annual Measure</b>
		Climate Change	Undetermined	# of public meetings Draft of business tax model





**FOR COMMENTS OR QUESTIONS REGARDING THIS PLAN CONTACT:**

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