

CITY GREEN PLAN REPORT

2011



“Creating a Culture of Green Excellence”

**COCONUT
CREEK**

Business Capital of the World

Introduction

Overview

Each year, the City Green Plan Report will generate key information on the City's advancement toward addressing seven environmental themes: energy, water, urban design, urban nature, waste reduction, transportation, and climate change. This report summarizes accomplishments for the 2011 calendar year.

Collaborative Effort

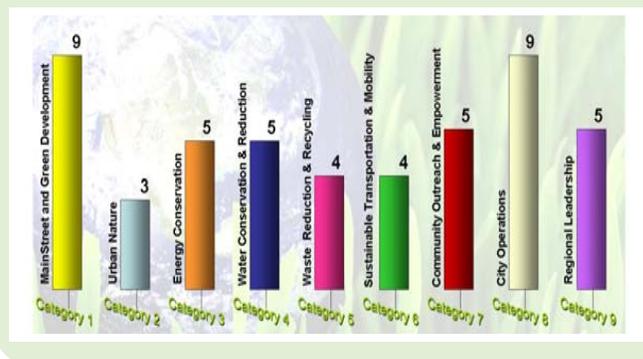
The *City Green Team* consists of members from all departments working together to track the progress of the plan. The team identified valuable data under each category and specified indicators for measuring each action step. Without this collaborative effort, this report would not be possible.

- Jim Hetzel, Sharon Vollmer, and Sean Flanagan - Sustainable Development
- Christina Semeraro and Elise Adler-Hogan - Finance and Administrative Services
- Lou Italicco and Mike Heimbach - Public Works
- Jessie Scott – Utilities and Engineering
- Yvonne Lopez - City Manager's Office
- Janice Ninesling - City Clerk Department
- Jenny Deng - Human Resources
- Robert Manfre - Information Technology
- Danielle DeBarros - Parks and Recreation
- Beth Micallef - Police Department

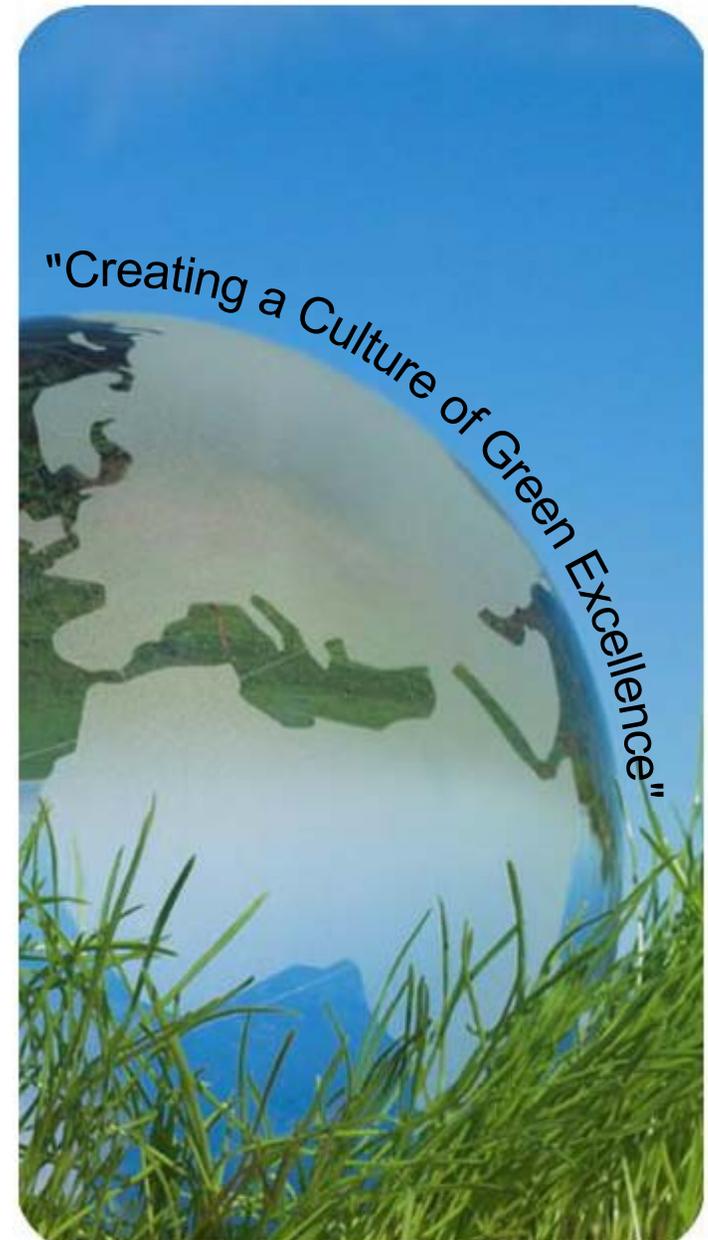
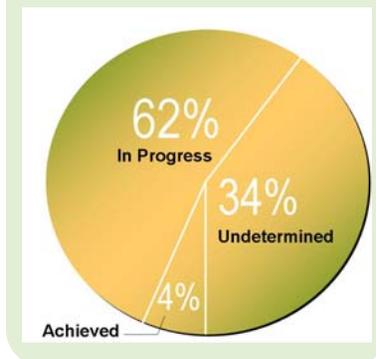
Implementation

The City Green Plan was adopted with 51 action steps under 9 categories. The majority of action steps relate to Category 1: MainStreet and Green Development, and Category 2: City Operations. In 2011, there were 32 action steps in progress, which represents 62% of all action, and 17 action steps undetermined, representing 34%. There are 2 action steps achieved, representing 4% of all action.

Number of Actions by Category



Number of Actions by Category





ICLEI - Local Governments for Sustainability: Milestone Award

In April 2011, the City received the ICLEI Milestone Award for completing a greenhouse gas emissions inventory, setting emissions reduction targets, designing a climate action plan, and establishing an annual monitoring requirement toward addressing environmental issues within the community. This international award, part of ICLEI-Local Governments for Sustainability’s Five Milestone climate protection process, was presented to the City Commission at the April 28, 2011, City Commission meeting.

ICLEI – Local Governments for Sustainability is a membership association of local governments, more than 600 in the United States, advancing climate protection and sustainability. Their Mission is to build, serve, and drive a movement of local governments to advance deep reductions in greenhouse gas emissions and achieve tangible improvements in local sustainability.

www.icleiusa.org



Clean Cities Coalition

In November 2011, the City joined the Clean Cities Coalition: Gold Coast Region (South Florida area). Clean Cities advances the nation's economic, environmental, and energy security by supporting local actions to reduce petroleum consumption in transportation. A national network of coalitions brings together stakeholders in the public and private sectors to deploy alternative and renewable fuels, idle-reduction measures, fuel economy improvements, and emerging transportation technologies.

The City’s membership provides an opportunity to exchange information related to fleet management and alternative fuel consumption options. Our participation will advance programs such as electric vehicle readiness planning, deployment of renewable energy, and other emerging fuel technologies. The City is planning on a series of electric vehicle charging stations on City-owned land and designating preferred parking for hybrid, low-emitting fuel vehicles.

<http://www1.eere.energy.gov/cleancities/>
<http://www.floridagoldcoastcleancities.com/>

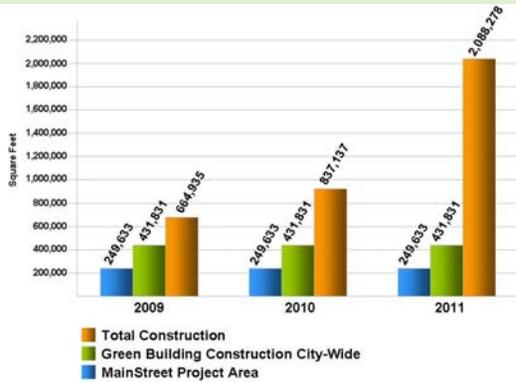


New Public Works Buildings

A new Public Works Building was approved to replace the existing building located on the western edge of the Government Complex site. The new 2-story facility will provide offices for City staff, Police Department records, City emergency operations, and consolidated regional 911 dispatch center. The project will include many sustainable building practices and is proposed to meet LEED® Silver designation. Some of the “green” elements incorporated into the project include parking for fuel efficient vehicles, architectural green screen affixed to the outside to cool the building, north facing curtain windows, and flat roof design to collect rainwater. As of November 2011, the LEED® for New Construction checklist for the project indicates a total of 54 points with the possibility of 13 more points.

Green Building Growth

A significant increase in total construction for 2011 was due to the completion of the Seminole Garage. Green building construction and MainStreet Area totals remain the same as previous years.



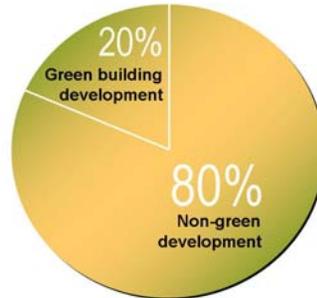
Quick Numbers

Below are quick reference numbers in relation to this category.

- # of actions for Category 1 → 9
- # of actions in progress → 7
- # of LEED® registered buildings → 13
- # of LEED® certified buildings → 14

Total Construction

The percentage of green building construction has changed since 2009 due to the completion of a significant project, the Seminole Garage.



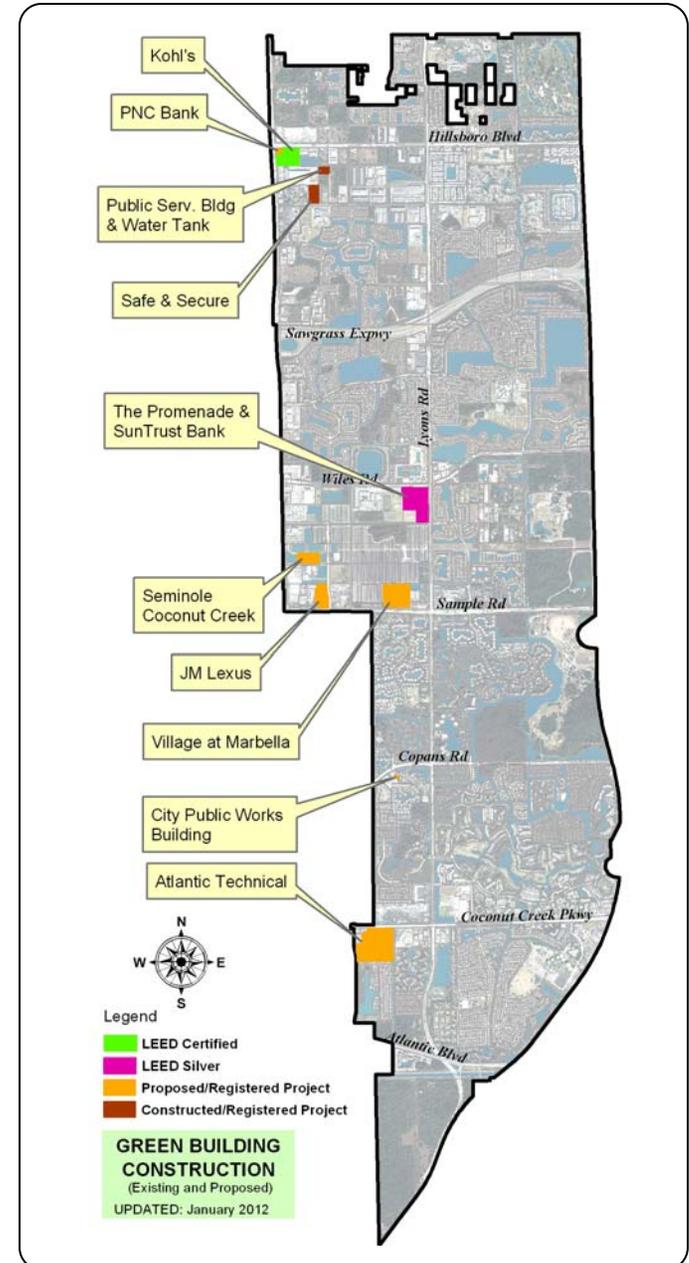
Green Building by Area

Of the green building construction, the majority remains in the MainStreet Project Area. Results have been the same since 2009.



Certification Levels

Of the green construction projects, three have received LEED® certification. Below are the certification levels to date.



Action Steps

Results of each action step under Category 1

Category 1: MainStreet and Green Development

ACTION OBJECTIVE		ACTION SUMMARY	PERFORMANCE MEASURE	2009	2010	2011
1.1	Achieve LEED® Certification for all buildings in the MainStreet Project Area with at least 15% certified at Silver, Gold, or Platinum level.	Status: ✓ In progress Target Date: 2020 Data Sources: Site Plans, USGBC Note: (1) Results are based on # of buildings not by project. (2) % certified is based on cumulative total of issued COs since 2009.	# of buildings constructed (based on issued COs)	2	0	1
			# of buildings seeking certification	12	0	0
			# of buildings certified (cumulative)	0	14	14
			% certified as Silver, Gold, or Platinum	0%	100%	93%
1.2	Achieve LEED® Certification or Florida Green Building Coalition (FGBC) Certification on 50% of buildings outside the MainStreet Project Area.	Status: ✓ In progress Target Date: 2020 Data Sources: Site Plans, USGBC, FGBC Note: (1) Results are based on # of buildings not by project. (2) % certified is based on cumulative total of issued COs since 2009.	# of buildings constructed (based on issued COs)	7	11	7
			# of buildings seeking certification	2	0	0
			# of buildings certified (cumulative)	1	1	1
			% certified	14%	5%	4%
1.3	Achieve LEED® Certification for all new City constructed buildings, and, when feasible, strive for Silver, Gold, or Platinum certification level.	Status: ✓ In progress Target Date: 2020 Data Sources: Site Plans, USGBC Note: City is in process of constructing a new Public Works Administration Building aiming for LEED® Silver.	# of city projects proposed	0	1	1
			# of projects constructed (based on issued COs)	1	0	0
			# of buildings seeking certification	0	0	1
			# certified (cumulative)	0	0	0
1.4	Retrofit all City-owned buildings with green building techniques by 2020 and, where feasible, seek LEED® Existing Building Certification.	Status: ✓ In progress Target Date: 2020 Data Sources: Public Services Dept. Note: Retrofit of PD lighting.	# of retrofitted buildings	4	3	2
			# of retrofitted buildings seeking certification	0	0	0
			# certified	0	0	0
1.5	Create a “green” checklist by 2010 for use on all City projects such as engineering or landscape projects, permits, etc.	Status: ? Undetermined Target Date: 2012 Data Sources: - Note: This action has been targeted for 2012.	Date checklist was created	-	-	-
			# of city projects	-	-	-
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.	Status: ✓ In progress Target Date: 2020 Data Sources: Site Plans Note: New projects include those under review and approved since 2009.	# of new projects	2	3	7
			# of green tech/art displays proposed (cumulative)	2	3	3
			# of green tech/art displays constructed	0	0	0
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.	Status: ✓ In progress Target Date: 2012 Data Sources: Site Plans, USGBC Note: Program will be presented to City's Affordable Housing Advisory Committee in January 2012, then Commission in 1 st quarter 2012.	# of projects under review	-	-	-
			# of projects with residential use	-	-	-
			# of projects seeking incentive	-	-	-
			# of additional units provide through incentive	-	-	-
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.	Status: ? Undetermined Target Date: 2020 Data Sources: -	# of school properties in MainStreet Area	1	1	1
			# of potential parcels	-	-	-
			# of proposed projects	-	-	-
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.	Status: ✓ In progress Target Date: 2020 Data Sources: Site Plans Note: (1) New projects include those under review and approved since 2009 (2) % is based on new projects.	# of new projects (cumulative)	2	2	4
			# of projects higher density/mixed-use (cumulative)	1	1	3
			% of projects support action	50%	50%	75%

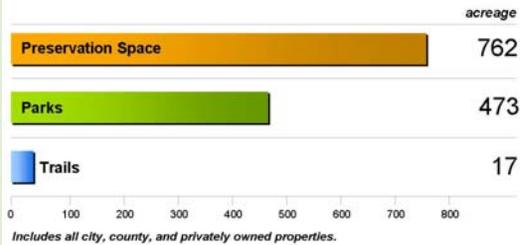
Category 2: Urban Nature

Urban Nature

Parks – Habitats – Wildlife

Park and Green Space

Park acreage and the amount of preservation space has remained the same since 2009. There has been a slight increase in the trail system with completion of links in the MainStreet perimeter greenway.



Tree Canopy Coverage

Tree canopy coverage has increased slightly based on trees planted in City land and totals provided to residents at the free tree giveaway. Tree canopy coverage is an estimated total.



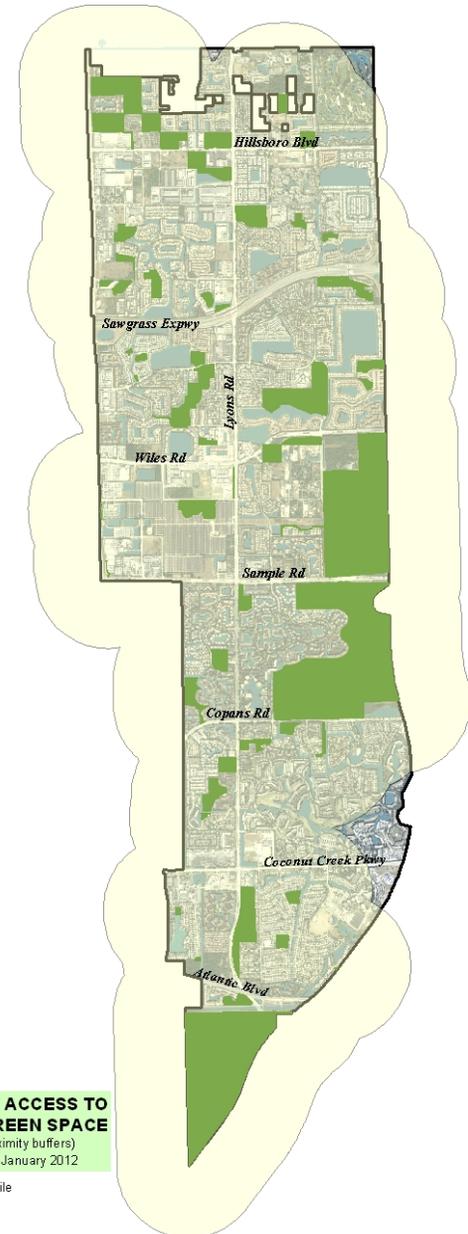
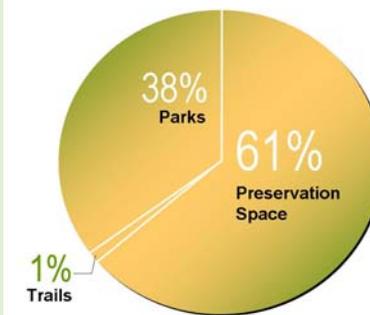
Quick Numbers

Below are quick reference numbers in relation to this category.

- # of actions for Category 2 → 3
- # of actions in progress → 2
- # of properties certified by NWF → 192
- # of greenway trails planned → 3

Percentage of Green Space

The percentage of green space has remained the same since 2009. As the City's greenway network expands, there will be small changes in percentage totals.



Map available in larger print

Action Steps

Results of each action step under Category 2

ACTION OBJECTIVE		ACTION SUMMARY	PERFORMANCE MEASURE	2009	2010	2011
2.1	Achieve 40% tree canopy coverage throughout the City with maximum tree coverage on public and privately owned land by 2020.	Status: ✓ In progress Target Date: 2020 Data Sources: Sustainable Development and Public Works Depts. Data Records, GIS Inventory Note: (1) Tree canopy coverage is approximate based on staff assessment from 1999 data and canopy loss from subsequent hurricane seasons (2) Inventoried trees are reflected as a cumulative total of city owned land.	# of trees at free giveaway	700	700	700
			# of trees - city inventory (cumulative)	6,319	6,379	6,977
			# landscaping awards	0	2	0
			# acres of natural conservation areas (cumulative)	762	762	762
			% estimated in tree canopy coverage	21%	21%	22%
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.	Status: ? Undetermined Target Date: 2020 Data Sources: -	# greenroofs in MainStreet	-	-	-
			% in MainStreet	-	-	-
			# greenroofs outside MainStreet	-	-	-
			% outside MainStreet	-	-	-
2.3	Ensure public access to passive parks, recreational areas, open space, or greenway trails within ½ mile of all residents by 2020.	Status: ✓ In progress Target Date: 2020 Data Sources: GIS Inventory Note: (1) Preserves in county parks were counted as part of total open space/preserve areas (2) County greenway trails within county parks and preserves have been added to total number of trails (3) Portions of the MainStreet Perimeter greenway system were completed increasing %.	# of passive parks (cumulative)	7	7	7
			# of recreational parks (cumulative)	6	6	6
			# of open space/preserve areas (cumulative)	29	29	29
			# of greenways trails (cumulative)	6	11	11
			% of city area within ½ mile of all of the above	97%	97%	98%

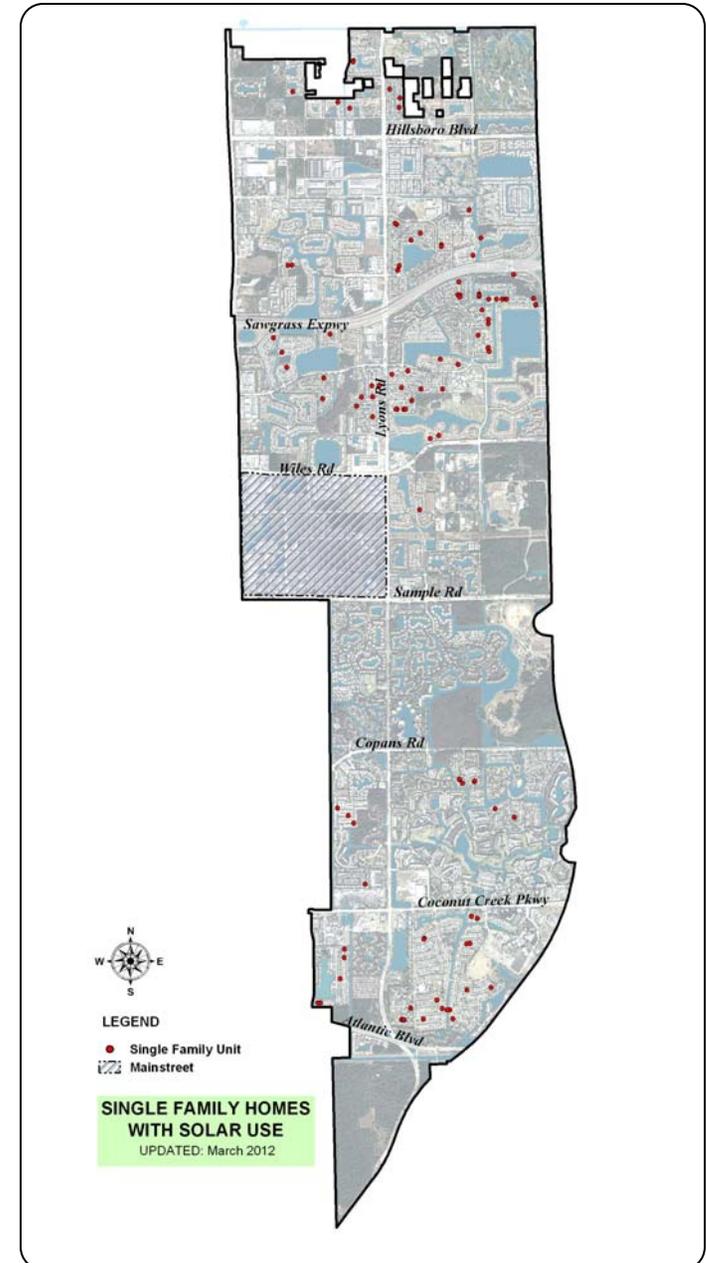
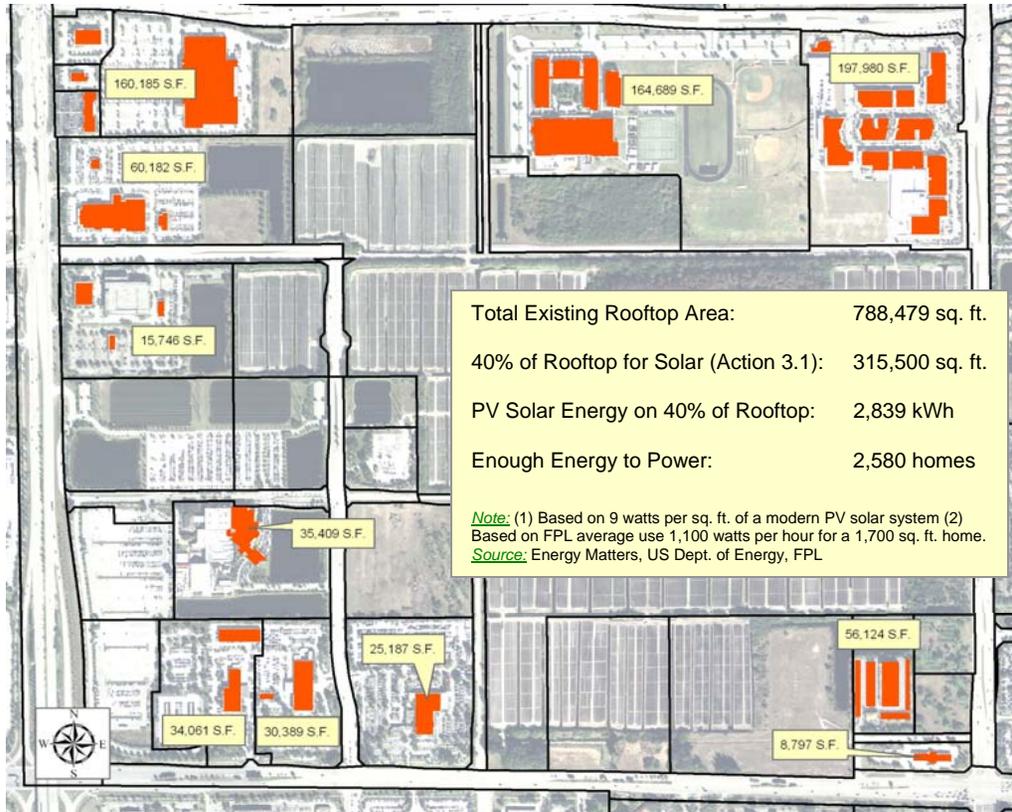
MainStreet Potential Rooftop Solar Use

An assessment was conducted on the existing building rooftops in the MainStreet Project Area for potential photovoltaic (PV) solar system use. This step was taken in preparation to participate with Broward County, which was awarded the Federal SunShot Grant in December 2011, and as part of the City's Economic Development potential programs to reduce property owners and businesses expenses. This data can be used to demonstrate the potential usable rooftop areas in MainStreet and provide property owners with information about their property. Furthermore, this effort supports Action 3.1 to increase renewable energy use in MainStreet Project Area.

Quick Numbers

Below are quick reference numbers in relation to this category.

- # of actions for Category 3 → 5
- # of actions in progress → 2
- # of single family units with solar → 108



Map available in larger print

Action Steps

Results of each action step under Category 3

Category 3: Energy Conservation

	ACTION OBJECTIVE	ACTION SUMMARY	PERFORMANCE MEASURE	2009	2010	2011
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.	Status: ? Undetermined Target Date: 2020 Data Sources: -	% from solar	-	-	-
			% from wind	-	-	-
			% from hydropower	-	-	-
			% from other source	-	-	-
			Total % for MainStreet	-	-	-
3.2	Utilize a minimum of 10% of City-owned land for alternative energy sources by 2020.	Status: ? Undetermined Target Date: 2020 Data Sources: -	# of city properties available	-	-	-
			# of projects planned	-	-	-
			# of projects completed	-	-	-
			% of city land used	-	-	-
3.3	Increase the use of solar power in residential areas by 40% by 2020.	Status: ✓ In progress Target Date: 2020 Data Sources: GIS, Code Compliance, Permits Note: (1) Based on SFR homes only, % per total SFR units (2) permit information obtained from Community Plus.	# of SFR homes with solar (cumulative)	96	104	108
			# of permits issued per year	11	8	4
			% of homes	0.4%	0.4%	0.4%
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.	Status: ? Undetermined Target Date: 2020 Data Sources: - Note: (1) Action is targeted for 2012 (2) As of February 2012, staff is modifying the application.	# of grants applied for	-	-	-
			# of applied grants for energy	-	-	-
			% of residential neighborhoods	-	-	-
3.5	Ensure 20% of grants received by the City are for energy conservation projects.	Status: ✓ In progress Target Date: 2020 Data Sources: Grants Received	# of grants applied for	7	5	7
			# of grants received - awarded	5	4	4
			# of grants for energy	1	0	0
			% of grants for energy	20%	0%	0%
			\$ amount of energy grants awarded	\$425,400	0	0

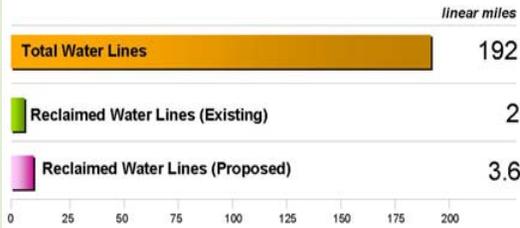
Category 4: Water Conservation and Reduction

Water

Water Efficiency – Water Conservation – Protection

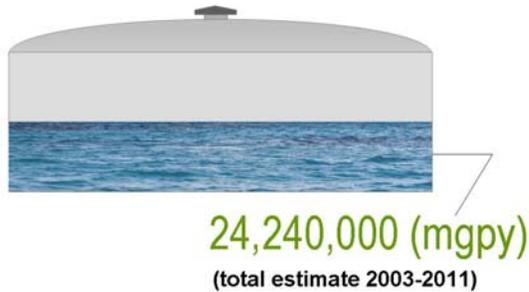
Reclaimed Water

With the assistance from the South Florida Water Management District & Broward County, the City is developing a program to provide reclaimed water throughout the City. Below illustrates existing and proposed reclaimed compared to total water lines.



City Water Savings

Below is a cumulative savings in water for City projects.



Quick Numbers

Below are quick reference numbers in relation to this category.

- # of actions for Category 4 → 5
- # of actions in progress → 4
- # of water code violations → 453
- # of participants free showerhead → 117
- # of participants \$100 toilet rebate → 75

Water Conservation Programs/Initiatives

The City participates in numerous water conservation programs and enforces water restrictions imposed by SFWMD. These programs are listed below.



- Legend**
- County Connection
 - City Tank
 - Reclaimed, Planned
 - Reclaimed, Existing
 - Naturescape

WATER CONSERVATION PROJECTS
Updated: February 2012



Map available in larger print

Action Steps

Results of each action step under Category 4

Category 4: Water Conservation and Reduction

ACTION OBJECTIVE		ACTION SUMMARY	PERFORMANCE MEASURE	2009	2010	2011
4.1	Ensure 100% of irrigation in the MainStreet Project Area is from on-site water collection or, if possible, reclaimed water.	Status: ✓ In progress Target Date: 2020 Data Sources: Site Plans, Engineering Permits Note: Proposed projects are based on approved site plans.	# of MainStreet projects proposed	2	3	2
			# of MainStreet projects built	1	1	2
			# with on-site water collection systems	0	0	1
			# with reclaimed water	0	0	0
			% of built projects	0%	0%	50%
4.2	Reduce residential water consumption by 10% by 2012 and by 15% by 2020 through a Residential Water Reduction Initiative.	Status: ✓ In progress Target Date: 2012 / 2020 Data Sources: High Consumption Report, Statistics Report by Crew, Utility Billing Reports Note: (1) High Consumption report summarizes # of customer accounts with consumption 1.50% greater than their average bill. (2) Variations from year to year in weather conditions will affect water demand (3) 2011 had increase in accounts but consumption decreased from previous year 2010 results.	# of customer accts targeted high consumption	6,557	6,770	6,767
			# of water meters checked for high consumption	1,088	1,270	1,111
			annual water consumption increase (residential)	25.55MG	80.30 MG	(40.15MG)
			annual water consumption increase (commercial)	7.3MG	7.3 MG	(10.95MG)
			NatureScape Inspections	0	5	5
4.3	Increase the availability of reclaimed water throughout the City by 2020.	Status: ✓ In progress Target Date: 2020 Data Sources: CIP, Grants, Public Services Dept. Note: (1) Projects are identified as separate segments. (2) Planned projects are reflected as a cumulative total. (3) Completed segments are not operational until other segments completed.	# of reclaimed water projects planned	3	4	6
			# of reclaimed water	2	0	2
			# of properties connected	0	0	0
4.4	Increase water conservation measures in cooperation with other government agencies.	Status: ? Undetermined Target Date: 2020 Data Sources: -	# of programs and partnerships	-	-	-
			# of grants received	-	-	-
4.5	Convert water fixtures within City-owned buildings and facilities to water saving efficient fixtures by 2014.	Status: ✓ In progress Target Date: 2014 Data Sources: Public Services Dept. Note: (1) One waterless urinal installed (2) Each urinal saves 40,000 gal. per year.	# of projects planned	1	3	1
			# of completed projects	2	3	1
			amount of water saved (estimated gallons)	0	400,000	40,000

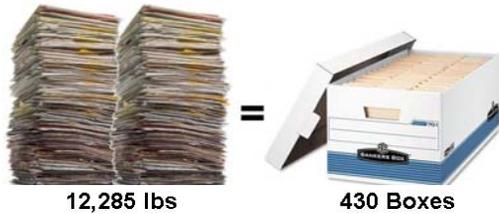
Category 5: Waste Reduction and Recycling

Waste Reduction

Recycling – Zero Waste – Citizen Participation

Community Shred-It Event

The City conducted its first community shredding event on November 12, 2011 for residents to dispose of and shred personal paper. The event was a huge success and will be implemented twice in 2012. Below are results from the 2011 event.



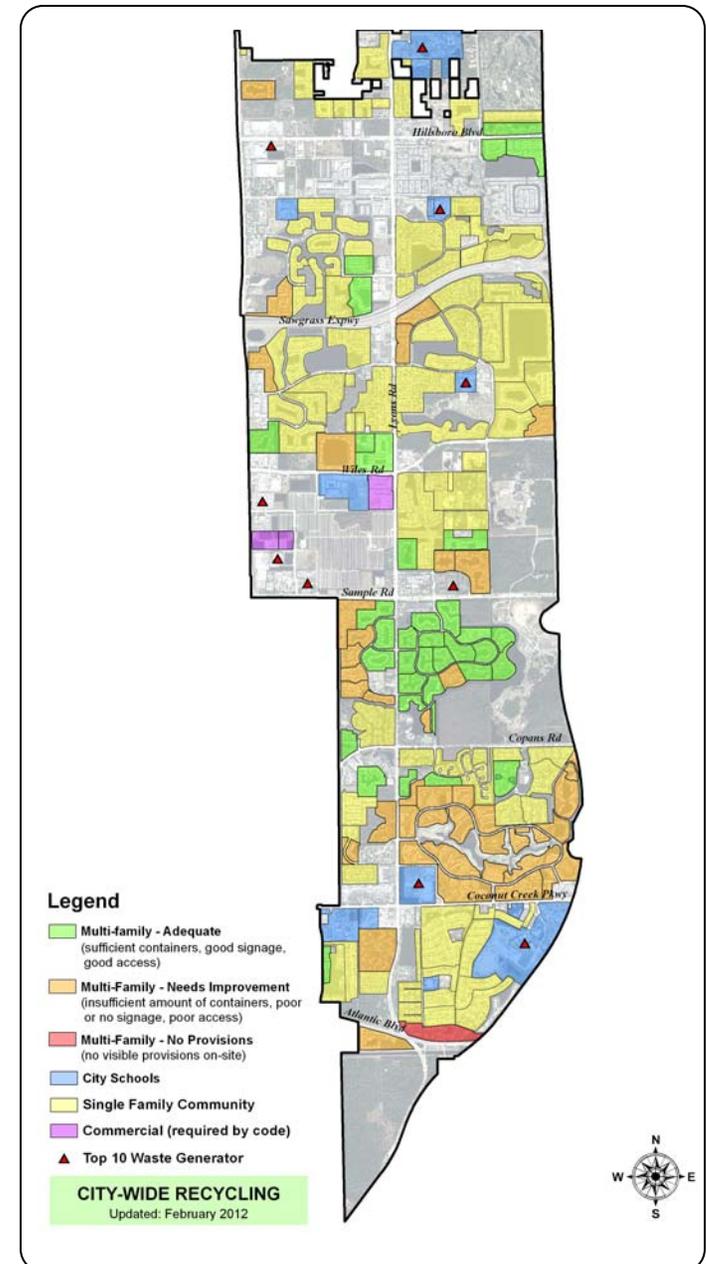
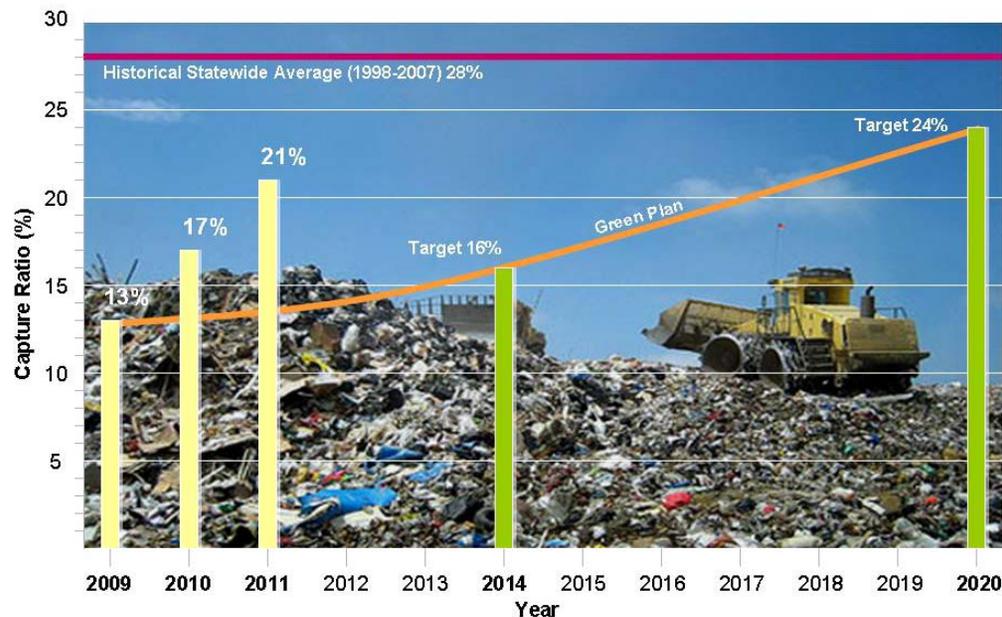
Quick Numbers

Below are quick reference numbers in relation to this category.

- # of actions for Category 5 → 4
- # of actions in progress → 2
- # of participants paint program → 40
- # of participants shred-it event → 78

Recycling Capture Rate Ratio

The City implemented single stream recycling for residential areas in March 2009 by distributing to single family neighborhoods then multi-family. There have been significant increases in the annual capture rate ratio since 2009 as shown in this graphic below.



Map available in larger print

Action Steps

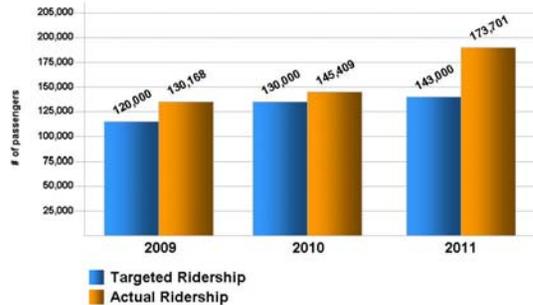
Results of each action step under Category 5

Category 5: Waste Reduction and Recycling

ACTION OBJECTIVE		ACTION SUMMARY	PERFORMANCE MEASURE	2009	2010	2011
5.1	Increase recycling throughout the City by 25% by 2014 and 50% by 2020.	Status: ✓ In progress Target Date: 2014 / 2020 Data Sources: Public Works Dept. Note: (1) Containers purchased for multi-family have been distributed (2) None purchased in 2011 (3) Average capture rate ratio is based on best available data from All Service.	# of single stream recycling containers purchased	8,000	809	0
			# of single stream recycling containers distributed	0	8,000	10
			Average capture rate ratio (estimated)	13%	17%	21%
			# of participants in paint recycling program	67	54	40
5.2	Create a "user-friendly" composting program by 2012 to reduce solid waste disposal.	Status: ? Undetermined Target Date: 2020 Data Sources: -	Creation of composting program	-	-	-
			# of properties using composting	-	-	-
5.3	Require all construction and demolition debris to divert 75% of waste from landfills.	Status: ? Undetermined Target Date: 2020 Data Sources: -	Code revision completed	-	-	-
			# of demolition permits	-	-	-
5.4	Create a shredded paper program for the community by 2010.	Status: ✓ In progress Target Date: 2010 Data Sources: Police Dept, City Clerk Note: (1) Event held on 11/12/11 (2) Service provided by Shred-It (3) Paper shredded equals 430 banker boxes.	# of participants	-	-	78
			lbs. of paper shredded	-	-	12,285

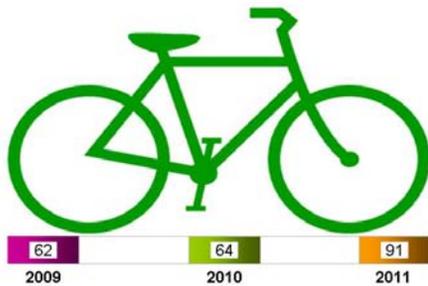
City Shuttle Service

Each year, a total number for ridership is targeted for the shuttle service. Since 2009, the City has exceeded targeted totals with ridership steadily increasing as depicted below.



Bike Racks

In 2011, the City obtained numerous bike racks from Broward Metropolitan Planning Organization through a Bike Parking Facilities grant program. The program provided bike parking in the form of bike racks for government property, commercial property, and business owners. There were 19 racks added to City properties and 8 on private commercial properties. Graphics below shows comparison since 2009.



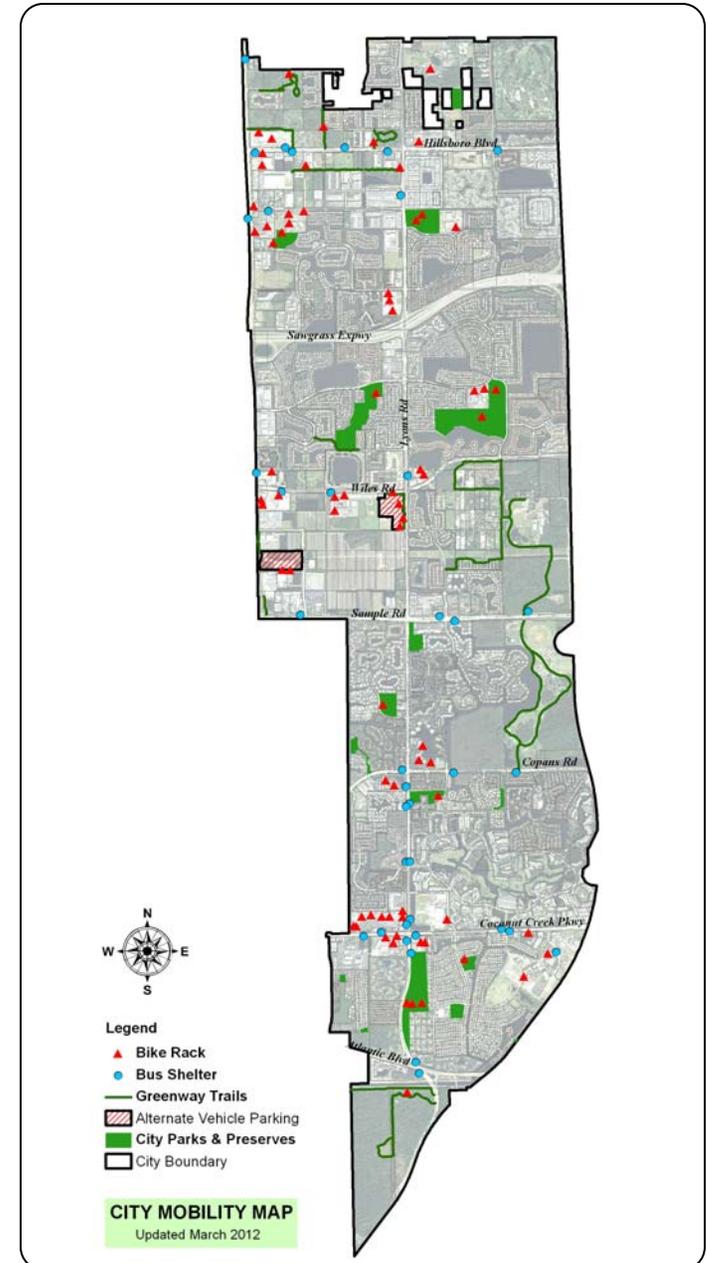
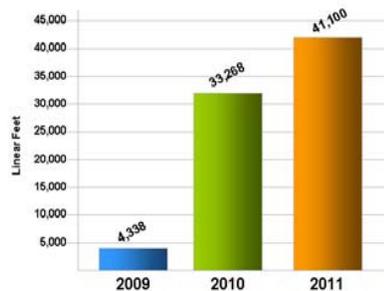
Quick Numbers

Below are quick reference numbers in relation to this category.

- # of actions for Category 6 → 4
- # of actions in progress → 4
- # of new bike racks installed → 27

Greenway Trail Network

There has been an increase in the number of linear feet for greenway trails due to the completion of several links throughout the City. Below shows this increase since 2009.



Category 6: Sustainable Transportation and Mobility

Action Steps

Results of each action step under Category 6

	ACTION OBJECTIVE	ACTION SUMMARY	PERFORMANCE MEASURE	2009	2010	2011
6.1	Ensure the construction of an intermodal transit hub in the MainStreet Project Area by 2020 or completion of development in MainStreet.	Status: ✓ In progress Target Date: 2020 Data Sources: Planning Research, Outlook Calendars	# of planning documents referencing hub	3	3	3
			# of meetings with other government agencies/staff	12	27	17
			# of property owners planning for/participating	2	2	2
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.	Status: ✓ In progress Target Date: 2020 Data Sources: GIS Inventory Data, Site Visibility Analysis, Greenway Master Plan, Public Works Department Note: (1) Greenway trails include city and county (2) shelters include city and county (3) bike racks are in nonresidential areas (4) linear feet of bike lanes is approximation.	# of existing bus shelters (cumulative)	37	37	37
			# of existing bike racks (cumulative)	62	64	91
			# of linear feet of existing greenway trails	4,338	33,238	41,100
			# of shuttle riders - est. per year	130,168	145,409	173,701
			# of linear feet of bike lanes	45,700	45,700	45,700
6.3	Implement a bike or car sharing program in the City by 2020.	Status: ✓ In progress Target Date: 2020 Data Sources: n/a Note: (1) Staff is in the process of developing a program (2) Two bike stations planned for Spring 2012.	# of programs existing	-	0	0
			# of programs planned	-	1	1
6.4	Implement an alternative vehicle parking program to designated parking areas for alternative vehicles in developments throughout the City by 2020.	Status: ✓ In progress Target Date: 2020 Data Sources: n/a Note: (1) Program is being implemented through site plan approvals.	# of parking spaces existing	-	63	188
			# of spaces planned	-	125	4

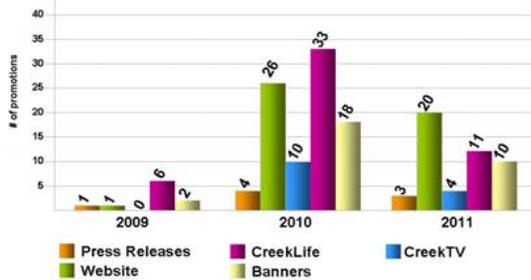
Category 7: Community Outreach and Empowerment

Multiple Themes

Energy – Water – Waste Reduction – Climate Change

Promotion of City Green Plan

Since adoption of the plan in 2009, there have been numerous promotions related to green plan programs, initiatives, and plan actions. Below are results since 2009.



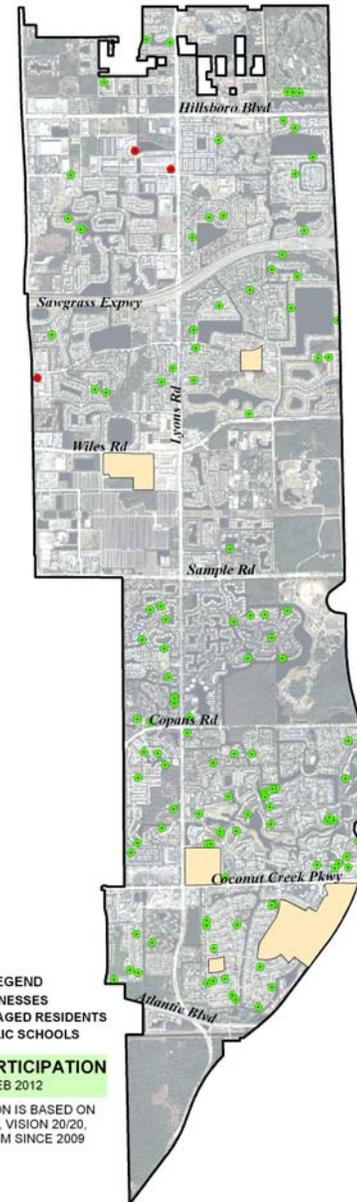
Quick Numbers

Below are quick reference numbers in relation to this category.

- # of actions for Category 7 → 6
- # of actions in progress → 3
- # of attendees at citizen's academy → 27
- # of attendees at green events → 1,250

Community Participation by Commission District

Community participation includes residents that have participated in Citizen's Academy, Vision 20/20, and volunteerism. Below is a graphic that illustrates community participation by City Commission district since plan adoption in 2009.



LEGEND
 ● BUSINESSES
 ● ENGAGED RESIDENTS
 ● PUBLIC SCHOOLS

COMMUNITY PARTICIPATION
 UPDATED: FEB 2012

*NOTE: PARTICIPATION IS BASED ON CITIZENS ACADEMY, VISION 20/20, AND VOLUNTEERISM SINCE 2009

Action Steps

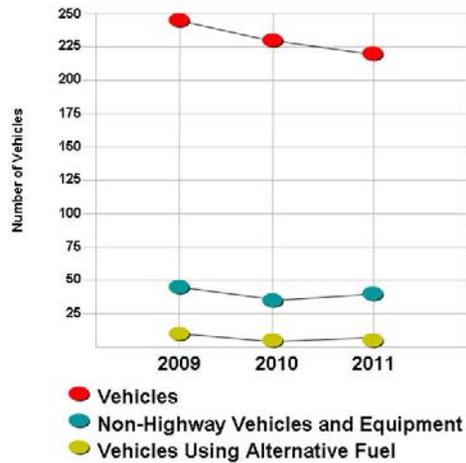
Results of each action step under Category 7

Category 7: Community Outreach and Empowerment

ACTION OBJECTIVE		ACTION SUMMARY	PERFORMANCE MEASURE	2009	2010	2011
7.1	Proclaim a City Green Day with the first City Green Day to be held in 2010.	Status: ✓ In progress Target Date: 2010 Data Sources: City Clerk, Commission Meeting Note: (1) No Proclamation in 2011 but events were held (2) Proclamation targeted for April 2012 for Green Week.	Proclamation date	-	11/18/10	-
			# of events that support proclamation	-	2	2
			# of participants at events (approx.)	-	3,000	1,250
7.2	Implement a City Green Award program to recognize homeowners, neighborhoods, and businesses that incorporate green and sustainable practices.	Status: ? Undetermined Target Date: 2020 Data Sources: -	# of applicants - homeowners	-	-	-
			# of applicants - neighborhoods	-	-	-
			# of applicants - businesses	-	-	-
			# of awards (total)	-	-	-
7.3	Implement a yearly green lecture series for the public on a variety of sustainable topics.	Status: ✓ In progress Target Date: 2020 Data Sources: Sign-in Sheets, Feedback Surveys Note: This program was placed on hold for 2011.	# scheduled lectures	2	5	-
			# of attendees (total)	104	100	-
			% satisfaction rate (based on surveys)	91.2%	90.6%	-
7.4	Seek Florida Green Building Coalition (FGBC) Local Government Designation by 2012.	Status: ? Undetermined Target Date: 2012 Data Sources: -	Application submitted	-	-	-
			Certification received	-	-	-
7.5	Launch a community-wide outreach campaign on the City Green Plan with continuous program promotion.	Status: ✓ In progress Target Date: 2020 Data Sources: Community Relations Note: Total for each measure reflects when the topic of a Green Plan or aspect of the Green Plan were discussed.	# of press releases	1	4	3
			# of website promotions	1	26	20
			# of green productions on CreekTV	0	10	4
			# of articles and ads in Creeklife	6	33	11
			# of banners	2	18	10
7.6	Create a City Sustainable Center on City owned property by 2014.	Status: ? Undetermined Target Date: 2014 Data Sources: -	# of city properties available	-	-	-
			# of properties appropriate for center	-	-	-
			# of planned programs	-	-	-
			# of partnerships/sponsors	-	-	-

Vehicles

Each year, the number of vehicles that utilized fuel is provided in the annual report. Below is a graphic that depicts the number of vehicles used each year since 2009, as well as non-highway vehicles, and a comparison on the percentage that is using alternative fuels.



Quick Numbers

Below are quick reference numbers in relation to this category.

- # of actions for Category 8 → 9
- # of actions achieved → 2
- # of actions in progress → 5

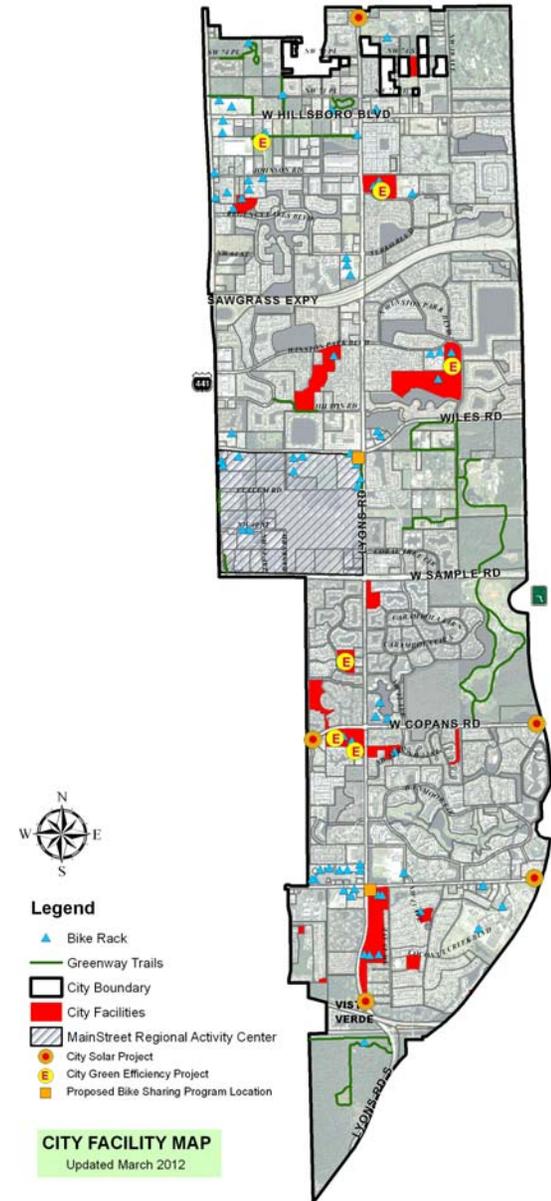
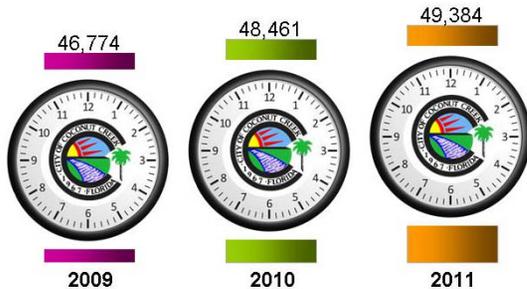
Fuel Consumption

Below is a graphic that depicts the gallons of fuel used each year since 2009.



Idle Time

The City does not contain a formal written policy, but vehicles are equipped with GPS and a 10 minute idle limit is in effect with automatic email notification after that time limit. Below depicts idle time since 2009.



Action Steps

Results of each action step under Category 8

ACTION OBJECTIVE		ACTION SUMMARY	PERFORMANCE MEASURE	2009	2010	2011
8.1	Improve indoor air quality in all city buildings by 2020.	Status: ? Undetermined Target Date: 2020 Data Sources: -	# of indoor air quality inspections	-	-	-
			# of indoor air improvements/cleaning projects	-	-	-
			# of fake plants removed from buildings	-	-	-
8.2	Advance emission controls on all City fleet vehicles to reduce emission by 50% by 2020.	Status: ? Undetermined Target Date: 2020 Data Sources: -	# of emission programs evaluated	-	-	-
			# of vehicles for emission improvements	-	-	-
			% of vehicles improved	-	-	-
8.3	Increase the use of renewable energy sources in City buildings with 15% of building usage from renewable source by 2020.	Status: ✓ In progress Target Date: 2020 Data Sources: Public Works Dept. <i>Note: Solar power projects are listed as individual projects that may be under an overall program (e.g. solar lighting for city identity signs)</i>	# of solar power projects	20	0	0
			# of projects/programs (other renewable)	0	0	0
			% of city owned buildings using renewable energy	0%	0%	0%
			% of building usage from renewable energy source	0%	0%	0%
8.4	Reduce overall energy consumption on City owned sites by 20%.	Status: ✓ In progress Target Date: 2020 Data Sources: Public Works and IT Depts. <i>Note: (1) # of solar power projects/programs is the same data from Action 8.3 (2) energy project for 2010 was replacement of numerous air conditioning units which was considered one project.</i>	# of initiatives from IT city-wide technology system energy consumption	3	1	0
			# of solar power projects/programs	20	0	0
			# of energy efficiency projects (lighting and HVAC)	3	1	2
			# of city buildings certified as LEED®	0	0	0
8.5	Reduce paper consumption by 50% through a Paperwork Reduction Policy.	Status: ✓ In progress Target Date: 2020 Data Sources: IT Dept., Finance Plus, Go Green Printing Report – Coconet <i>Note: E-gov solutions include internal and external online efforts copy machines print jobs and on-glass copies.</i>	# of E-gov solutions (e.g. online billing, CRM)	16	1	0
			# of pages printed city-wide	723,221	614,062	750,756
			# of pages produced city-wide copy machines	-	-	813,087
			City-wide copy paper expense	\$9,982.11	\$6,976.83	\$9,144.96
8.6	Create a Sustainable City Coordinator position by 2010.	Status: ✓ Achieved	Proposed as part of FY 2010 budget	10/1/2009	-	-
8.7	Create a City Green Team by 2010 with a representative from each department.	Status: ✓ Achieved	Green Team formed	10/1/2009	-	-
8.8	Monitor greenhouse gas (GHG) emissions from city operations with a reduction target of 7% below 2009 levels by 2012 and 20% below by 2020.	Status: ✓ In progress Target Date: 2012 / 2020 Data Sources: Finance, Public Works, & Sustainable Development Depts., ICLEI – CACP Software <i>Note: See GHG Inventory Report for more detailed information.</i>	GHG missions (tonnes of CO ₂ e)	7,065	-	-
			% of reduction	-	-	-
			# of programs achieving this action	-	-	-
8.9	Increase the number of City vehicles using alternative fuels by 25% by 2014 and 50% by 2020.	Status: ✓ In progress Target Date: 2014 / 2020 Data Sources: FASTER Query and Report, Fuelmaster <i>Note: (1) Based on fuel consumption data for CY 2011. (2) Only fleet vehicles that consumed fuel for CY 2011 are listed here. (3) Percent of fleet using Alternative Fuels includes any vehicle that utilized biodiesel. (4) P.D. motorcycles and leased vehicles are included in # of vehicles in fleet because of fuel consumed at expense of the City.</i>	# of vehicles (CY fuel use)	242	236	224
			# of non-highway & equipment (CY fuel use)	42	30	34
			% of fleet using alternative fuels	2.6%	1.5%	.75%
			Gallons of fuel consumed (total of all fuels)	183,327	180,013	181,341
			Idle time for vehicles (hours)	46,774	48,461	49,384

Category 9: Regional Leadership

Climate Change

Carbon Reduction – Regional Leadership – Environmental

Quick Numbers

Below are quick reference numbers in relation to this category.

- # of actions for Category 9 → 6
- # of actions in progress → 3
- # of high ranked actions in County Plan → 65
- # of members County Climate Task Force → 25



	ACTION OBJECTIVE	ACTION SUMMARY	PERFORMANCE MEASURE	2009	2010	2011
9.1	Participate in a regional or county Climate Action Plan.	Status: ✓ In progress Target Date: 2020 Data Sources: Outlook Calendars	# of public meetings attended by Commission	3	0	0
			# of public meetings attended by staff	5	12	0
9.2	Lead the effort to close the Waste Management Landfill.	Status: ✓ In progress Target Date: 2020 Data Sources: Outlook Calendars	# of city lead efforts	21	5	3
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.	Status: ? Undetermined Target Date: 2020 Data Sources: -	# 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	-	-	-
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.	Status: ? Undetermined Target Date: 2020 Data Sources: -	# of partnerships	-	-	-
			# of programs	-	-	-
			# of events	-	-	-
9.5	Lead the effort to eliminate the garbage waste being deposited in the landfill.	Status: ✓ In progress Target Date: 2020 Data Sources: City Manager's Office	# of public meetings	-	-	3
			# of action efforts	-	-	1
9.6	Create a new local business tax structure by 2012, which can become a regional model, based on a sustainable business practices.	Status: ? Undetermined Target Date: 2012 Data Sources: -	# of businesses participating in pilot program	-	-	-
			# of businesses in City	-	-	-
			# of public meetings held	-	-	-



Completion date of report: March 2012
Environmental Advisory Board meeting: March 27, 2012

FOR COMMENTS OR QUESTIONS REGARDING THIS REPORT CONTACT:

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