

## **Sustainability Advisory Board**

**April 27, 2015 Meeting**

### **Agenda Package**

**Contents:**

1. Agenda for 4/27/15 Meeting
2. Draft Minutes from 3/23/15 Meeting
3. Draft Communication to the City Commission – Beach Wrack
4. Presentation: Launch of Green Your Routine Website (Doyle)
5. City of Hallandale Beach Ordinance Restricting Use of Expanded Polystyrene (Styrofoam) Products
6. 3/23/15 Presentation: SAP Progress Report (Hadwen/Ehle)



# MEETING AGENDA

**Date:** April 27, 2015  
**Place:** City Hall, 8th Floor  
 100 N Andrews Ave  
 Fort Lauderdale, FL 33301  
**Time:** 7:00 PM - 9:00 PM

- I. 7:00 Call to Order**  
 {Note: SAB voted 3/23/15 to begin April's meeting at 7:00pm to accommodate members attending City Clerk's Office training 5:30-7:00pm}
- II. 7:15 Approval of Minutes**  
 · March 23, 2015
- III. 7:20 Staff Liaison Report**  
 · Household Hazardous Waste Event 4/11 {Doyle}  
 · Arbor Day Tree Giveaway, 4/25 {Dempsey}  
 · Earth Hour 3/28 {Ehle} | Earth Day 4/22 {Hadwen}  
 · Energy Savings Companies (ESCOs) {Hadwen}
- IV. 7:30 Presentations**  
 · Launch of Green Your Routine Website {Doyle}  
 · Urban Forestry Update: Tree Canopy {Dempsey}
- V. 8:15 Old Business**  
 · Sea Weed Wrack Communication to City Commission {Alberani}
- VI. 8:30 New Business**  
 · City of Hallandale Beach Styrofoam Ordinance {Alberani}  
 · Public Outreach as Board Member {Vadiveloo}  
 · SAP Progress Report status {Ehle}
- VII. 8:35 Proposed Communications**
- VIII. 8:50 Comments**
- IX. 8:55 Items for Next Meeting**
- X. 9:00 Adjournment**

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## Potential Items/Presentations for Future Meetings

*Proposed Presentations from Board Members:*

*Proposed Presentations on City Initiatives:*

- We Are Wild: Certified Community Wildlife Habitat
- PACE – Property Assessed Clean Energy (not a City initiative – recommend removal)
- Updating Codes for Climate Change Adaptation
- Comprehensive Plan Evaluation and Appraisal
- City Commission Annual Action Plan (CAAP)

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## Sustainability Advisory Board Members

Alena Alberani <i>Chair</i>	Jeffrey Huber
	Jim Moyer
Jason Liechty <i>Vice Chair</i>	Chad Scott
Daniel Ayers	Mate Thitisawat
Lawrence Clark	Enrique Vadiveloo
Lance Cutrer	Cheryl Whitfield

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The purpose of the Sustainability Advisory Board is to identify and recommend affordable strategies to the City Commission associated with conservation, renewable energy, and energy efficiency to establish the City of Fort Lauderdale as a leader in environmental sustainability. Two or more Fort Lauderdale City Commissioners or members of a City of Fort Lauderdale Advisory Board may be in attendance at this meeting.

If a person decides to appeal any decision made with respect to any matter considered at this public meeting or hearing, he/she will need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.



If you desire auxiliary services to assist in viewing or hearing the meeting or reading agendas and minutes for the meetings, please contact the City Clerk's Office at 954-828-5002 and arrangements will be made to provide these services to you.

**DRAFT**  
**CITY OF FORT LAUDERDALE**  
**SUSTAINABILITY ADVISORY BOARD**  
**CITY HALL CONFERENCE ROOM**  
**100 NORTH ANDREWS AVENUE – 8<sup>th</sup> Floor**  
**FORT LAUDERDALE, FLORIDA 33301**  
**March 23, 2015 - 6:30 PM**

MEMBERS	APPT By	ATTENDANCE	Cumulative Attendance 1/2015 through 12/2015	
			PRESENT	ABSENT
1. Alena Alberani, Chair	II	A	1	1
2. Jason Liechty, Vice Chair	IV	P	2	0
3. Daniel Ayers	M	A	1	1
4. Jim Moyer	III	P	2	0
5. Mate Thitisawat	C	P	2	1
6. Enrique Vadiveloo	IV	P	2	0
7. Cheryl Whitfield	III	P	1	1
8. Chad Scott	II	A	1	1
9. Jeffrey Huber	M	P	1	1
10. Lawrence Clark	I	P	1	0
11. Lance Cutrer	I	P	1	0

**Staff Present**

Sustainability Division of Public Works  
 Glen Hadwen, Sustainability Manager  
 Adrienne Ehle, Environmental Analyst, Interim Staff Liaison

**Call of Order/Roll Call**

The meeting was called to order by Vice Chair Liechty at 6:32 p.m. The Board members, staff and guest briefly introduced themselves. The roll was called, and it was determined a quorum was present.

**Approval of the Meeting Minutes**

The February minutes were introduced. A motion was made to approve the minutes by Ms. Whitfield and seconded by Mr. Cutrer and passed on consensus.

## **Staff Liaison Report**

Ms. Ehle gave a brief overview. She reported that three new members had been appointed to the Board the last meeting and the chair invited them to introduce themselves further. Mr. Jeffrey Huber was introduced. He is an architect at Florida Atlantic University interested in urban design, more walkable environments, place building models, watershed urbanism, low impact development, agricultural urbanism, and transit oriented development. His research has also carried into sea level rise. Mr. Lance Cutrer was introduced. He briefly discussed his background as a sustainability specialist developing education programs for businesses and school group. He has almost completed Master's degree and his working on his thesis. He has worked with Tampa on green business program, created sustainability action plans for businesses and wants to see the City promote green business practices. Mr. Lawrence Clark was introduced. He briefly discussed his background in an engineer with a local firm. He is a practitioner of LEED, Green Globes, Florida Water Star Certification, and energy audits including Investment Grade Audits for Energy Service Companies. He writes a weekly blog on HVAC engineering and teaches webinars on related topics. As a follow-up on the last information exchange, Ms. Whitfield distributed Food & Farm Magazine to the group which presents local farming efforts in Palm Beach County.

Ms. Ehle reported that the City is in the process of revising the Comprehensive (Comp) Plan and a survey has been distributed electronically. Responses may be submitted up to mid-April. She informed the Board that parking is free 4-9 pm in the metered lot adjacent to City Hall. Ms. Ehle mentioned upcoming green events including the Broward Water Partnership Switcheroo, which ends of 3/31; Earth Hour which will be observed on 3/28; the City's Household Hazardous Waste Event on 4/11; and Arbor Day on 4/25.

## **Presentations**

### **Sustainability Action Plan Progress Report – Adrienne Ehle and Glen Hadwen**

Vice Chair Liechty introduced the Sustainability Action Plan (SAP) progress report.

Ms. Ehle presented on SAP. She started by repeating the presentation on the history of the SAP and the current Progress Report for the benefit of new SAB members. Ms. Ehle then gave the current status of the progress report. As of the meeting, for all data collected, the current count is 42 action items complete, 30 in progress, 13 not started, 10 on standby, 6 initiated. Requested comments from SAB for SAP update.

Ms. Ehle presented the data list of SAP Progress Report action items' status on the screen.

Mr. Cutrer asked if item complete indicates no more action is needed or complete items may have more action needed. Ms. Ehle described complete as something where no more action is required in the current year although more action may be

required in future years. Ms. Ehle shared the list of definitions of action item status in her presentation. Mr. Hadwen said complete means all work is done up to the current point in time but more work may be needed in the future.

Vice Chair Liechty suggested that the discussion focus on action items not started first and then consider other categories.

Ms. Ehle stated that the first not started item is *Leadership Action 2.1.2 Adopt an energy disclosure ordinance*. Ms. Ehle said that the City didn't have resources to address this issue, specifically staffing with expertise in energy. Mr. Hadwen asked what the Board thought of this item. He said several cities around the country had adopted such an ordinance. Mr. Cutrer said an energy disclosure ordinance is important because if you don't measure you can't tell how you're doing. You need to know how you're doing now to improve.

Vice Chair Liechty stated that the County is interested in energy disclosure. It can provide useful information. Mr. Hadwen noted that currently in some cities energy disclosure is voluntary. Mr. Huber was interested in other City's ordinances. Vice Chair Liechty said that there is usually a size threshold. Mr. Vodnik said that it would need chamber of commerce buy in.

Ms. Whitfield asked what smart grid data is available. Vice Chair Liechty responded that the data is controlled by FPL and unlikely to be shared. Mr. Clarke said that most of the building labeling systems Portfolio Manager shows energy intensity adjusted for building use, climate, and other factors.

*Leadership 2.1.4 Consider implementation of standardized energy management such as ISO 50001*

Mr. Hadwen reported that the City has pursued implementation of ISO 140001, Environmental and Sustainability Management Systems rather than ISO 50001. Two city facilities will likely be ISO 140001 this year and are including energy goals in their program.

*Energy 2.1.4 Test Reliability of renewable energy systems.*

Ms. Whitfield asked if the Board had heard of LENR technology. Bill Gates has just funded a project utilizing it. It is portable and scalable. Mr. Hadwen stated that this item was about of reliability of battery storage capacity and was not applicable because the City does not have renewable systems with any batteries attached.

*Energy 1.2.3 Devise community energy strategy.* Vice Chair Liechty said that the County was working on Mr. Hadwen said the City has not created its own energy strategy but

Broward County just adopted its own strategy. Mr. Vodnik said that the Broward community energy strategy won't offer much to the City.

*Air Quality Action 2.1.1: Advocate for a statewide ban of onboard incineration on cruise ships.* Ms. Ehle stated that this item is not within the jurisdiction of the City. Mr. Liechty said that it could be included in commission legislative priorities.

Vice Chair Liechty asked if we are tracking higher level numeric objectives. Mr. Hadwen responded that we are tracking these where data is available.

Mr. Cutrer asked if you can search real estate listings for green or LEED properties. Ms. Ehle responded that in the SAP documentation there is case study providing an example from Colorado.

Mr. Huber asked where discussion about better design vs. high tech is. He said that real estate listing should encourage good design.

*Built and Natural Environment 1.1.6: Create green building awards.* Mr. Huber suggested partnering with American Institute of Architects (AIA). Mr. Thitisawat suggested partnering with U.S. Green Building Council (USGBC). Mr. Cutrer and Mr. Thitisawat suggested involving students. Mr. Huber suggested recognizing resilient design or adaptive design.

*Built and Natural Environment 3.1.2: Develop and maintain Energy Star Portfolio for all City buildings and infrastructure.*

Mr. Hadwen reported that some buildings have been entered after end of FY14.

*Built and Natural Environment 3.2.1: Require energy survey before home sale.*

Vice Chair Liechty asked if the City have authority to do this. Staff said they did not know the answer to that question.

*Waste 1.3.3: Conduct study to increase recycling.* – Ms. Ehle stated that the study has not been started but City has been promoting recycling.

Mr. Moyer arrived at 7:56.

Mr. Cutrer asked when the SAP Update is coming out. Ms. Ehle responded that the Update is already in progress. Mr. Cutrer asked – how much will Board be involved? Ms. Ehle stated that in past the Board was very involved; Mr. Cutrer asked how will we be involved going forward?

### **New business –**

The City is holding training for City Board members on April 27 from 5:30 to 7 PM. Mr. Cutrer made a motion to start the SAB meeting at 7 PM on April 27 to allow SAB members to attend the training. The motion passed unanimously.

### **Communication to the City Commission**

The Board discussed the draft Communication to to the City Commission on beach wrack. Vice Chair Liechty suggested that communication be deferred until next meeting to allow its author, Chair Alberani to be present. Mr. Cutrer asked what economic impact of this is. Vice Chair Liechty responded that wrack is removed and used to produces compost. The Board had talked about test area. The selling point for preserving beach wrack is ecological benefit. He suggested the Board defer until the Chair is present next month.

### **Motion**

Vice Chair Liechty made motion to defer discussion of the beach wrack communication to the next meeting. The motion was seconded by Mr. Thitsiwat and passed unanimously.

### **Next Agenda**

The Board agreed to entertain the following items on the February agenda.

1. Forestry presentation
2. Website presentation
3. Liaison report – include SAP progress report

Ms. Whitfield requested that the forestry presentation include a discussion of fruit trees on right of way; and limits on number of fruit trees during giving. Mr. Clarke wanted to discuss PACE in a future meeting.

### **Members Comments:**

Mr. Vadiveloo asked what type of public outreach is appropriate for SAB members. Mr. Moyer asked about going to council of civic associations.

**Next Meeting date:** April 27 in the eighth floor commission chambers at 7 PM.

### **Adjournment**

Mr. Cutrer made the motion to adjourn and Mr. Huber seconded. Meeting adjourned at 8:25 p.m.



# GREEN YOUR ROUTINE WEBSITE

April, 2015



# The Project

- September 2012 to April 2015
- Resource Recovery Board Grant Funded
- Cross-departmental focus
- 70+ Community Builders contributed ideas
- Evolution from a few recycling and forestry pages → interim section on City's main site → over 450 pages of original content

# The Website

- Sits on same CMS as other City sites
- Design builds on penetration of GYR brand
- Unique wireframe/structure addresses all six sustainability topics and speaks to four distinct audiences
- Operates as a destination *and* portal
- Informative, engaging, useful
- Sustainability as people, planet and profit
- Supports Strategic Goals



**Let's take a look...**

**WELCOME!** Explore our new Green your Routine website, share your feedback and your own green success stories. We hope you will visit often and tell your neighbors. Please note that some of our features are still under construction. We appreciate your patience while we load all of the wonderful content about sustainable Fort Lauderdale.



# GREEN YOUR ROUTINE

AT HOME AT WORK AT SCHOOL AROUND TOWN GREENER GOVERNMENT

-  CLIMATE RESILIENCY
-  CONSERVATION & EFFICIENCY
-  RESPONSIBLE DEVELOPMENT & LAND USE
-  NATURAL RESOURCES PRESERVATION
-  TRANSPORTATION & CONNECTIVITY
-  RECYCLING & WASTE REDUCTION



## CLIMATE RESILIENCY MITIGATING RISK AND ADAPTING TO CHANGE

### EVENTS

There are no Events.

[View All Events >](#)

### NEWS

### LINKS

**GREEN YOUR ROUTINE IN ACTION**  
CITY OF FORT LAUDERDALE

Discover, explore and create a sustainable Fort Lauderdale.  
[Start Here >>](#)

**SUSTAINABILITY ACTION PLAN**  
CITY OF FORT LAUDERDALE



# RECYCLING & WASTE REDUCTION



Being mindful of what we consume and how we dispose of things is one of the easiest ways to Green Your Routine and has a positive impact on all three aspects of sustainability. Thoughtful purchasing, careful use and appropriate disposal protects our environment, contributes to our local economy, and keeps our neighborhoods clean and safe. This section of our website has information about reducing waste at its source, the services that we offer curbside, in public spaces and for the commercial sector, and how to dispose of most anything at home, at work and all around the City of Fort Lauderdale.

## YOUR SOLID WASTE SERVICES



## A to Z DISPOSAL DIRECTORY



## NEED A CART? MISSED PICKUP? QUESTIONS?



## RECYCLING IN FORT LAUDERDALE



## GETTING TO ZERO WASTE




### HOW TO RECYCLE

Hi Kids! VOLUNTEER

## OUR WASTE STREAM



## DISPOSAL & CLEAN-UP EVENTS





# GREEN YOUR ROUTINE

AT HOME AT WORK AT SCHOOL AROUND TOWN GREENER GOVERNMENT

[Greener Government](#) » [Recycling & Waste Reduction](#) » [Recycling in Fort Lauderdale](#)

## RECYCLING & WASTE REDUCTION

- SOLID WASTE & RECYCLING SERVICES
- OUR WASTE STREAM
- GETTING TO ZERO WASTE

## RECYCLING IN FORT LAUDERDALE

WHY RECYCLING MATTERS

## WHAT AND HOW TO RECYCLE

- GENERAL RECYCLING GUIDELINES
- RECYCLING PLASTICS
- RECYCLING PAPER, PAPERBOARD & CARDBOARD
- RECYCLING GLASS
- RECYCLING METALS
- RECYCLING QUICK REFERENCE GUIDE
- RECYCLING MYTHS
- 5 WAYS TO INCREASE RECYCLING
- DONT RECYCLE THESE!
- STAGING YOUR

# WHAT AND HOW TO RECYCLE IN FORT LAUDERDALE

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The object of recycling is to turn our trash into raw materials for manufacturers. Doing this requires that we pull the right kinds of waste out of our community's waste stream and send it through the recycling process. Almost half of all waste produced in the United States is the "right kind", including up to 85% of typical household waste.

Yet, what is "right" to recycle is still very much a local issue, and we understand that can be confusing. As the recycling industry matures we will see more consistency. For now, it is not uncommon to be able to put one type of material into recycling in one City, only to have the same material rejected in another. It is important for you to know the recycling guidelines for Fort Lauderdale.

We are continually working with our processor to expand the number of items that can be recycled here, and we are lucky to be part of a metropolitan region that offers many options for recycling the items that cannot go into our City's carts or containers. We ask that all neighbors familiarize themselves with our guidelines.

This section teaches you how to recycle cleanly in Fort Lauderdale, and introduces the recycling services provided by the City. Please refer to our [GYR Waste Directory](#) for options beyond local recycling.

GENERAL RECYCLING GUIDELINES

RECYCLING PLASTIC

RECYCLING PAPER & CARDBOARD

RECYCLING GLASS

RECYCLING METALS

DO NOT RECYCLE



AT HOME AT WORK AT SCHOOL AROUND TOWN GREENER GOVERNMENT

Greener Government » Recycling & Waste Reduction » Recycling in Fort Lauderdale » What and How to Recycle

- ▼ RECYCLING & WASTE REDUCTION
  - ▶ SOLID WASTE & RECYCLING SERVICES
  - ▶ OUR WASTE STREAM
  - ▶ GETTING TO ZERO WASTE
- ▼ RECYCLING IN FORT LAUDERDALE
  - WHY RECYCLING MATTERS
- ▼ WHAT AND HOW TO RECYCLE
  - GENERAL RECYCLING GUIDELINES
  - ▶ RECYCLING PLASTICS
    - RECYCLING PAPER, PAPERBOARD & CARDBOARD
    - RECYCLING GLASS
    - RECYCLING METALS
    - RECYCLING QUICK REFERENCE GUIDE
    - RECYCLING MYTHS
    - 5 WAYS TO INCREASE RECYCLING
  - ▶ DONT RECYCLE THESE!
  - STAGING YOUR

## PLEASE DON'T RECYCLE THESE!

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The City of Fort Lauderdale earns income for each load of clean recyclables delivered to our processing plant. This income offsets the cost of providing sanitation services in our City. We earn less for contaminated loads. The following are the top contaminants.



1. **Food.** Whole, part or just the stuff that sticks. Keep it all away from your recyclables please. That includes liquids. Especially greasy liquids. For more on food waste, click [here](#).
2. **Plastic bags** or anything that looks or feels like a plastic bag, such as dry cleaning covers and disposal gloves.
3. **Polystyrene foam** or similar products, such as packing peanuts and foam drink cups. Learn more about foam [here](#).
4. **Unrecyclable glass**, such as mirrors, windows, china and other dishware, and knick-knacks. Learn more about glass [here](#).
5. **Hazardous Waste.** For information on proper disposal of hazardous waste (everything from batteries to medication), click [here](#).

- SOLID WASTE & RECYCLING SERVICES
- OUR WASTE STREAM
- GETTING TO ZERO WASTE
- RECYCLING IN FORT LAUDERDALE
- GREEN YOUR ROUTINE WASTE DISPOSAL DIRECTORY**
- A TO Z WASTE DISPOSAL INDEX
- HOUSEHOLD HAZARDOUS WASTE**
- HHW STORAGE & DISPOSAL GUIDELINES
- FERTILIZERS, HERBICIDES & PESTICIDES
- PAINT
- SOLVENTS & CLEANING PRODUCTS
- PROPANE, LIGHTER FLUID & FLAMMABLES
- FIRE EXTINGUISHERS
- LIGHTING & LIGHT BULBS
- GARDENING, LAWN CARE, HOLIDAY TREES
- OVERSIZED ITEMS
- ELECTRONIC WASTE
- MEDICATIONS & MEDICAL WASTE
- AUTOMOTIVE WASTE
- PET WASTE
- HOUSEHOLD GREASE (FOGS)
- CLOTHING

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According to the Environmental Protection Agency (EPA), hazardous waste is "waste that is dangerous or potentially harmful to our health or the environment. Hazardous wastes can be liquids, solids, gases, or sludges. They can be discarded commercial products, like cleaning fluids or pesticides, or the by-products of manufacturing processes." **Household hazardous waste (HHW) includes common household items that contain toxic chemicals and therefore need proper handling during disposal.**

HHW typically includes items used to clean, lubricate, paint, fuel and exterminate. The average household will have a number of items that qualify as HHW in kitchens, bathrooms, garages and sheds, home offices, storage spaces and even bedrooms. Hazardous waste is often highly regulated material, meaning that the Environmental Protection Agency (EPA) licenses certain waste disposal facilities to accept and process the waste safely.



**HHW STORAGE & DISPOSAL GUIDELINES**

The City of Fort Lauderdale offers a number of opportunities for you to dispose of HHW so that it does not harm humans, wildlife or the environment. We have partnered with neighboring communities to provide free, frequent and convenient drop-off events for HHW disposal and electronics recycling. All that is required to participate is proof of residency, such as a drivers license or utility bill.

**HHW & ELECTRONICS DROP-OFF EVENTS**

To learn more about disposing of specific types of HHW, visit our pages on fertilizers and pesticides, paint, solvents and cleaning products, propane and other flammables, fire extinguishers, and lighting.



- ▼ RECYCLING & WASTE REDUCTION
  - ▶ SOLID WASTE & RECYCLING SERVICES
  - ▶ OUR WASTE STREAM
  - ▶ GETTING TO ZERO WASTE
  - ▶ RECYCLING IN FORT LAUDERDALE
  - ▶ GREEN YOUR ROUTINE WASTE DISPOSAL DIRECTORY
- ▼ SOLID WASTE EVENTS
  - ▼ HOUSEHOLD HAZARDOUS WASTE DROP-OFF
    - ▶ HHW DROP-OFF LOCATIONS
  - ▶ ADOPT-A-STREET
  - ▶ WATERWAY, PARK & BEACH CLEAN-UPS

## HHW DROP-OFF EVENT LOCATIONS

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Household Hazardous Waste Drop-off Events are held throughout the year. City of Fort Lauderdale residents may participate in events taking place in Fort Lauderdale, Coconut Creek, Coral Springs, Pompano Beach and Tamarac. [City of Fort Lauderdale HHW Drop-off Guidelines](#) apply at all events.

**For 2015, the following HHW Drop-Off Events are being offered.** All events take place on a Saturday, except where noted.

Fort Lauderdale	Coconut Creek	Coral Springs	Pompano Beach	Tamarac
- January 24	- March 7	- February 7	- June 6	- May 2
- April 11	- September 12	- October 4 (Sunday)	- November 7	- December 5
- August 1				

Effective October 1, 2013, Fort Lauderdale's neighbors are no longer able to dispose of household hazardous waste, electronics, or yard waste at any of Broward County's drop-off locations. This service change reflects a decision to streamline fiscal spending for the City's neighbors. Residents should continue to dispose of yard waste through the City's curbside [Yard Waste](#) or [Bulk Trash](#) Collection Programs.

Please refer to the map below for event addresses. You may need to zoom out to see all locations. Click on the green HHW symbol for each location to get links to directions and additional event details.

The map displays the Fort Lauderdale area with a pop-up window for an HHW Drop-off Event. The pop-up window contains the following information:

- HHW Drop-off Event @ Fort Lauderdale**
- Get directions (3.32 miles)
- 2201 NW 9th Avenue Mills Pond Park
- Fort Lauderdale, FL 33311
- PHONE: (954) 828-8000

The map also shows other locations like Tamarac, Sunrise, and Oakland Park. A satellite view of the event location is provided in the pop-up window.

# GREEN YOUR ROUTINE WASTE DISPOSAL DIRECTORY

The very best way to handle waste in our community is not create it in the first place. Buying just what you need, favoring items with less packaging, and bringing re-usable shopping bags with you makes a huge difference in how much trash we collect and process. Eventually though, things will be used up or worn out or no longer useful to you. **Use this directory to determine how to dispose of the things you no longer need. Please keep in mind that many of the things we throw away in a modern society are specialized waste.** This includes items that cannot be sent through the traditional recycling or disposal streams because the waste is either hard-to-handle, toxic or hazardous, oversized, dangerous to the public, or regulated in some way. Find detailed instructions for disposal here, or contact [City of Fort Lauderdale 24-hour Customer Service](#) for additional assistance.

<b>DIRECTORY INDEX</b>		<b>HOUSEHOLD HAZARDOUS WASTE</b>		<b>OVERSIZED WASTE</b>	
<b>ELECTRONICS: SCREENS, BATTERIES, CELL PHONES &amp; MORE</b>		<b>MEDICATIONS &amp; MEDICAL WASTE</b>		<b>GARDENING: PLANTS, POTS &amp; EVEN PUMPKINS</b>	
<b>PET WASTE</b>		<b>FOGS: FATS, OILS, GREASE</b>		<b>CLOTHING</b>	
<b>GLASS</b>		<b>AUTOMOTIVE: TIRES, OIL, FUEL, BATTERIES</b>		<b>CONSTRUCTION &amp; DEMOLITION DEBRIS</b>	



**A**

- Aerosol cans (empty) **R**
- Aerosol cans (not empty) **GHE**
- Aluminum Foil (clean) **R**
- Asceptic boxes (empty) **R**
- Automotive Batteries **HSE**
- Automotive Waste **HSE**

**B**

- Bags (cloth, leather, etc.) **D**
- Bags (paper) **R**
- Bags (plastic) **S**
- Batteries **HSE**
- Bery containers (plastic) **R**
- Beverage cans **R**
- Beverage cups (foam) **G**
- Biohazards **HE**
- Books **DR**
- Bottlecaps (metal) **R**
- Bottlecaps (plastic) **R**
- Bottles (glass) **R**

**I**

- Ink and Printer Cartridges **SHE**

**J**

- Jack-o-Lanterns **YD**
- Jars **R**
- Jewelry **D**
- Juice boxes **R**
- Juice pouches
- Junk mail **R**

**K**

- Kitchen Oil and Grease

**L**

- Lawncare Chemicals **HE**
- Lighting & Light Bulbs **DHEG**
- Lighter Fluid **HE**

**M**

- Magazines **R**
- Medication **HES**
- Medical Waste **H**
- Mercury-based Light Bulbs **HE**

**S**

- Secure Collection Boxes (for Medicine & Needles) **H**
- Shoes **D**
- Shredded Paper **R**
- Solvents **HE**
- Stickers & decals **DG**
- Straws (plastic) **R**
- Styrofoam **SG**

**T**

- Televisions **DHE**
- Thermometers **HE**
- Tiles (Roofing) **DG**
- Tires **SB**
- Toothpaste tubes **G**
- Trees (Holiday) **YBE**
- Tree Trimmings (Branches & Leaves) **Y**
- Tree Trimmings (Holiday Decorations) **DRGH**
- Tree Trunks **YB**
- Tubs (plastic) **R**



City of Fort Lauderdale  
**GREEN YOUR ROUTINE**  
 AT HOME AT WORK AT SCHOOL AROUND TOWN GREENER GOVERNMENT

Recycling & Waste Reduction  
 Solid Waste & Recycling Services  
 Our Waste Stream  
 Getting to Zero Waste  
 Recycling in Fort Lauderdale

Green Your Routine Waste Disposal Directory  
 A to Z Waste Disposal Index  
 Household Hazardous Waste

Gardening, Lawn Care, Holiday Trees  
 Garden Pots & Containers  
 Tree Trimmings and Tree Trunks  
 Hurricane Season Yard Clean-Up  
 Composting  
 Fall Pumpkin Disposal  
 Holiday Tree Disposal

Tree trimmings should be disposed of in your green yard waste cart. Cut large pieces down to fit in the...

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**TREE TRIMMING**

Tree trimming should be done from winter to early spring before new growth quickly as growth starts in the spring and insect and disease infestation.

**Trimming as little of the tree as possible should be the objective of a tree.**

There are certain tools needed to prune if taking on the task yourself. Tools you may need when pruning young trees or pruning the lower part of a tree.

Remember not to "top" your trees, and don't let landscaping companies otherwise known as stubbing or heading, is harmful to the health of your trees when they grow too large or into utility wires. There are several alternatives on your property:

- Start out right by planting trees that will fit your available space
- Begin proper pruning early in the life of a tree
- To slow the growth of a tree- avoid the use of nitrogen fertilizer
- Prune properly and regularly. A light pruning every three years condition

Working with w Professional Tree Trimmer

When working with a professional, be sure to check that the company is licensed and insured, and that all staff has been trained in proper tree trimming. When a tree in Fort Lauderdale, tree pruning must be done according to accepted standards. Commercial tree trimmers must have Broward County Tree Trimmer License. Additional information can be found using these links:

- Broward County Tree Trimmer Licensing Investigation & Enforcement
- Broward County Tree Trimmer Cards

For more information, see Working with a Tree Service Company.

**More Information**

**UF IFAS** University of Florida IFAS Extension  
 shade trees and the Proper Way to Prune Them

The first document is a two-page fact sheet by UF-IFAS regarding shade trees in the landscape differently in the landscape than they do in the forest because of more shade. The second link takes you to information on pruning trees to maintain the structural integrity of these trees, maintains their beauty and allows them to thrive too. The second link takes you to information on pruning trees to maintain the structural integrity of these trees, maintains their beauty and allows them to thrive too.

Tree City USA Bulletin No. 8: Do Not Top Trees

This is a summary of the Arbor Day Foundation's guidelines on tree pruning.

City of Fort Lauderdale  
**GREEN YOUR ROUTINE**  
 AT HOME AT WORK AT SCHOOL AROUND TOWN GREENER GOVERNMENT

Natural Resources Preservation  
 Clean Air  
 Clean Water  
 Growing Our Green Canopy  
 Beach Preservation and Ocean Wildlife  
 Florida-Friendly Landscaping

Wildlife & Habitats  
 Our Wild Neighbors  
 How You Can Support Local Wildlife  
 National Wildlife Federation Community Wildlife Habitat™ Certification  
 If You Find a Wild Animal...  
 Exotic Pet and Fish Guidelines

Greener Government » Natural Resources Preservation

**WILDLIFE & HABITATS**

Font Size: [+] [-] Share & Bookmark [+]

**WE ARE WILDLIFE**

Look at any photograph of Fort Lauderdale and you will notice our gleaming office towers, our bustling airport, our planned network of neighborhoods and streets. You will see an impressive amount of green and blue, places where nature is able to preserve the unique ecosystem that brought us here to settle long ago.

The early settlers were impressed with the bounty of wildlife. From the beginning, the animals of the region brought the curious and the courageous, and they, along with the beautiful climate, were the main attraction in our burgeoning tourism industry and a driver of population growth. Settlers also knew that certain animals were crucial to their survival. Some they ate, and some were needed for healthy crops, and still others controlled the mosquito population from dangerous pests. While the City's human population grew, the settlers knew it was important to have a healthy animal population here and healthy.

It is still the same today. **While Fort Lauderdale is a bustling urban epicenter, we are a little wild and are doing everything we can to stay that way. You can help.** This section of our website introduces the many animals which you will see around our beautiful City, and provides information you need to welcome them safely into your neighborhood.

**OUR WILD NEIGHBORS**

Meet the wondrous inhabitants of our air, land and water. They are the manatees and turtles who are the Stars of our Sea, the butterflies and hummingbirds who are our Productive Pollinators, our Natural Pest Controllers like frogs, bats and owls, and the Snowbirds who migrate through each year. You will see them all around you.

City of Fort Lauderdale  
**GREEN YOUR ROUTINE**  
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- ▼ NATURAL RESOURCES PRESERVATION
  - ▼ CLEAN AIR
    - REDUCING GHG EMISSIONS
    - CLEAN WATER
    - GROWING OUR GREEN CANOPY
    - BEACH PRESERVATION AND OCEAN WILDLIFE
    - FLORIDA-FRIENDLY LANDSCAPING
    - WILDLIFE & HABITATS

# CLEAN AIR

Font Size: + - + Share & Bookmark [+ Feedback] Print

Clean air is essential to our health, the environment, and agriculture. Fort Lauderdale and the South Florida region have generally good air quality. Yet, there are ways to make the air we breathe even healthier, and in doing so we can also help to alleviate symptoms experienced by our neighbors with lung disease, improve the growing environment for trees and plants, and reduce the emissions which are thought to affect climate in the long term.

The American Lung Association's *State of the Air 2014* report used the U.S. Environmental Protection Agency's Air Quality System (AQS) database to collect data from 2010 to 2012 to produce county-by-county ratings of air quality. On a scale from A to F, Broward County scored a "B" for its ozone quality and a "B" for its short-term particle pollution (which measures hours-long spikes in the particle pollution).

## Today's Forecast...

**Ft. Lauderdale, FL**  
**Air Quality Forecast**  
**Apr 7** Good  
 OZONE  
**Apr 8** Good  
 OZONE  
 Source: Broward Co. Air

To get even more forecast information, go to Air Now's Air Quality Index Forecast.



## What's in our air?

Well, plenty of fresh air with all the things we need. Nevertheless, the air we breathe can be contaminated in small percentages that do make a difference. Some pollutants are natural, such as too much pollen or smoke from a wildfire. However, the majority of pollutants (or air

Through EnviroFlash, you can [subscribe to notifications](#) or [download the AirNow app](#) to your phone and always have the AQI at your fingertips.



## What is the Air Quality Index (AQI)?

<b>Good</b> 0-50	Air quality is considered satisfactory, and air pollution poses little or no risk.
<b>Moderate</b> 51-100	Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.
<b>Unhealthy for Sensitive Groups</b> 101-150	Members of sensitive groups may experience health effects. The general public is not likely to be affected.
<b>Unhealthy</b> 151-200	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
<b>Very Unhealthy</b> 201-300	Health alert: everyone may experience more serious health effects.

# GYR DICTIONARY AND SITE INDEX

Font Size: + - Share & Bookmark [+ Feedback] Print

Greening your routine should be a personal adventure. There is no right or wrong way to start. We have structured this website to encourage you to explore topics in any order you like. If you are looking for specific information, try this alphabetized index. Listing are linked to pages on our site where you can get started with various topics, and each is defined to help you learn more about sustainability,

## A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

### A

Adaptation

Adaptation Action Areas

**Air toxins** - Air toxins or toxic air pollutants are those pollutants that are known or suspected to cause cancer or other serious health effects, such as reproductive effects or birth defects, or adverse environmental effects. Most air toxins originate from human-made sources, including mobile sources (e.g., cars, trucks, buses) and stationary sources (e.g., factories, refineries, power plants), as well as indoor sources (e.g., some building materials and cleaning solvents).

Alternative Fuel

**Aquifer** - An underground layer of water-bearing or permeable rock containing

### J

### K

### L

**Landfill** - A place where solid waste is disposed of, buried, or treated.

**Lead** - A naturally occurring element found in small amounts in the earth's crust. It can be toxic to humans and animals causing of health effects. Much of our exposure comes from human activities including the use of fossil fuels including the past use of leaded gasoline and lead-based paint in homes, as well as some types of industrial facilities. Lead can also be emitted into the environment from industrial sources and contaminated sites, such as former lead smelters (U.S. EPA).

**LED Lighting** - Light-Emitting diode, or LED, is an electronic device that emits

### S

**Saltwater intrusion** - The movement of saltwater into freshwater aquifers. Saltwater is able to push inland beneath freshwater because it is denser and has a higher water pressure due to its high mineral content. Human activities that can contribute to saltwater intrusion are: groundwater pumping from coastal freshwater wells, navigation channels, and agricultural drainage channels. Saltwater intrusion can also be worsened by naturally occurring events such as hurricane storm surges.

**Secure Collection Boxes (for Medicine & Needles)** - Specialized drop-boxes for collection of expired medications or those no longer needed by the patient. Secure collection boxes are available through Fort Lauderdale Police, as well as many hospitals and pharmacies. Medication



EDIT BACK



AT HOME AT WORK AT SCHOOL AROUND TOWN GREENER GOVERNMENT



Greener Government

# JOIN IN!

Green Your Routine is not just a program, a slogan, or a brand. It is a call to action. Thanks to you, our neighbors, it is also a way of life in our community. **The first and most important way you can join in is to look at how you live, work and enjoy our fine city, and make small changes at your own pace based on the information you find on this website, those we link to, and other sources that teach about sustainability.**

For those who want to hear or do more, we offer many convenient and fun options. Click on the links below, or contact our **Office of Neighbor Support**. We're always adding new opportunities, so watch this page for updates and additions, and check our **calendar** for specialized volunteer events.

<p><b>BE A GREEN YOUR ROUTINE VOLUNTEER</b></p> 	<p><b>SHARE YOUR SUCCESS STORY</b></p> 	<p><b>CHECK OUT OUR ACTION MAP</b></p> 
<p><b>FOLLOW US</b></p> 	<p><b>WATCH FLTV</b></p> 	<p><b>BOOKMARK &amp; SHARE THIS WEBSITE</b></p> 

# GREEN YOUR ROUTINE

AT HOME AT WORK AT SCHOOL AROUND TOWN GREENER GOVERNMENT

Greener Government » Natural Resources Preservation » Beach Preservation and Ocean Wildlife » Keeping our Beaches Clean

## NATURAL RESOURCES PRESERVATION

- CLEAN AIR
- CLEAN WATER
- GROWING OUR GREEN CANOPY

## BEACH PRESERVATION AND OCEAN WILDLIFE

- OFFSHORE REEF PROJECTS
- PRESERVATION CHALLENGES, PLANS AND TACTICS

## KEEPING OUR BEACHES CLEAN

- GREEN YOUR BEACH ROUTINE
- SEAWEED COMPOSTING
- NO BUTTS ON THE BEACH, PLEASE!
- SEA TURTLES
- FLORIDA-FRIENDLY LANDSCAPING
- WILDLIFE & HABITATS

## NO BUTTS ON THE BEACH, PLEASE!

Font Size: + - + Share & Bookmark [+ ] Feedback Print

Small litter such as gum wrappers, bottle caps, straws, and cigarette butts may seem harmless, but in reality they accumulate over time and pose a threat to the environment and our economy. Fort Lauderdale sees all these types of trash and more on our beaches but the litter that requires the most attention is cigarette butts.



Cigarette butts are the number one littered item found on beaches and waterways worldwide. The Ocean Conservancy's annual International Coastal Cleanup (ICC) reports that "cigarette butts have been the single most recovered item since collections began." Data from the annual ICC shows that in 2010, over one million cigarettes or cigarette filters were removed from American beaches and inland waterways. The small pieces of trash are not only unattractive but are also harmful to the environment and marine life. The filter in a cigarette butt is made of a plastic called cellulose acetate which can take up to twenty-

five years to break down and during this time it can be ingested by marine life. If an animal eats cigarette butts, they can block the digestive tract or fill its stomach, causing malnutrition or starvation. The toxic chemicals and carcinogens found in the butts' filters and any remnant tobacco are quickly leached from the butts by water. These chemicals contaminate waterways and poison wildlife.

Discarded cigarette butts in the streets can be carried as runoff from streets into storm drains which lead to the ocean and can end up on our beaches. Every two weeks the City of Fort Lauderdale collects 8,000 to 10,000 cigarette butts from a section along Las Olas beach that is only one third of a mile long. The cleanup costs the City





# GREEN YOUR ROUTINE

AT HOME AT WORK AT SCHOOL AROUND TOWN GREENER GOVERNMENT

Greener Government » Climate Resiliency » Innovative Pilot Projects

## CLIMATE RESILIENCY

CLIMATE AND WEATHER IN FORT LAUDERDALE

VISION 2035: WE ARE READY

## INNOVATIVE PILOT PROJECTS

ADAPTATION ACTION AREAS

STORMWATER PRESERVES

PAVEDRAIN SYSTEMS

FLOODPLAIN MANAGEMENT

HIGH TEMPERATURE LIVING: HEAT, FIRE & DROUGHT

MORE ABOUT CLIMATE RESILIENCY

## PAVEDRAIN SYSTEMS

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Feedback Print

This is a pilot project of the City's Transportation and Mobility Department, and is the first application of its kind in South Florida. Installed at City Hall's Orchid Parking Lot, which is also a demonstration area for other sustainable technologies, the Pave Drain System is designed to mitigate the danger and effects of major stormwater flow over paved surfaces. It looks like any other tiled surface, but functions dramatically differently.



PaveDrain fire truck drainage test  
Fort Lauderdale, FL

In order to evaluate the product's performance, the City performed a test in November, 2013. To simulate a major stormwater event, a City of Fort Lauderdale firetruck was loaded with 700 gallons of water which was then released onto the PaveDrain surface. In less than 60 seconds the water dispersed and was drained completely keeping the parking lot safe for pedestrians and vehicles, as well as demonstrating a

TRANSPORTATION & CONNECTIVITY

- BETTER STREETS FOR EVERYONE
- TRANSIT OPTIONS: LEAVING YOUR CAR AT HOME
- GREENER DRIVING AND PARKING

CYCLING OUR CITY

- BIKE PATH AND LANES
  - BIKE SHARING
- OUT ON THE WATER
- GYR AT FXE

# BIKE SHARING

Font Size: + - Share & Bookmark Feedback Print

Broward B-Cycle is a bike sharing program for residents, workers, and visitors. Bike sharing allows you to have a bicycle when you need it, and to give it back when you don't. There are sharing programs offered by private businesses throughout our region. It is an economical and convenient way to make trips that are too far to walk but too short to drive, and it leaves the bicycle maintenance and storage to someone else!

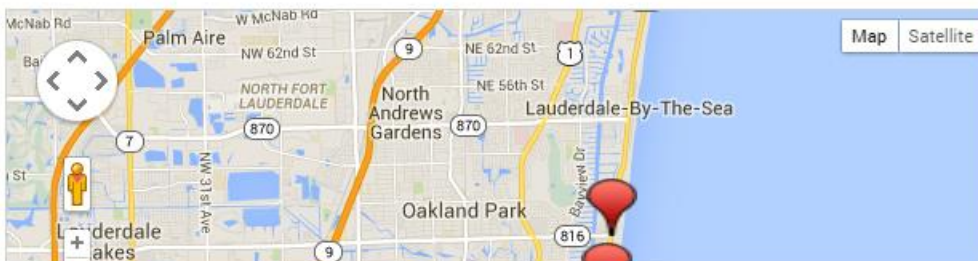
**BROWARD B cycle**

- Find a station near you.
- Start your membership.
- See a demo.



B-Cycle is different in that it allows you to pick up a bicycle from one many convenient station locations throughout the County, use the bicycle for as long as you need, and then return it to the same or any other station in the County. B-Cycles can be rented on a single use basis, and also through membership. As a member, you have added conveniences.

Broward B-Cycle opened in December, 2011. In the first year of operation, it helped us burn 3.4 million calories and kept 88,000 pounds of carbon dioxide from entering our atmosphere. There are now 15 stations in Fort Lauderdale.





- CLIMATE RESILIENCY
  - WHY RESILIENCY NOW?
- CLIMATE AND WEATHER IN FORT LAUDERDALE
- THE STORY OF SEA LEVEL RISE IN FORT LAUDERDALE
  - HOW MUCH AND HOW FAST WILL THE SEA RISE?
  - WHY DOES SEA LEVEL MATTER?
  - HOW DO WE PREPARE FOR RISING SEAS?
- TEMPERATURES OVER IN FORT LAUDERDALE
- LEARN MORE ABOUT CLIMATE CHANGE IN OUR REGION
- VISION 2035: WE ARE READY
- INNOVATIVE PILOT PROGRAMS
- FLOODPLAIN MANAGEMENT
- HIGH TEMPERATURE LIVING: HEAT, FIRE & DROUGHT

Greener Government » Climate Resiliency » Climate and Weather in Fort Lauderdale » The Story of Sea Level Rise in Fort Lauderdale

## HOW MUCH AND HOW FAST WILL THE SEA RISE?

A unified projection by the Southeast Florida Regional Climate Change Compact shows a three to seven inch increase in sea level in Fort Lauderdale, FL



Fort Lauderdale, FL x  
[www.fortlauderdale.gov/at-school](http://www.fortlauderdale.gov/at-school)



Quick! Look out the window. Go ahead, do it now. What do you see? Buildings? distance? Whatever it is, whatever you see, take in for a minute the fact that it **here, go to school here, have friends here, or just come here for fun, this is your future. We'd like your help taking care of it. You, our youngest citizens, can find here you can make your home a little greener, teach your family a few earth and important changes at your school and other activities.**

**CLIMATE BASICS & BIG QUESTIONS**

**IS YOUR ROUTINE GREEN?**

**GYR DICTIONARY**

Earth (wɜrth) n. [OE wōrthe] 1 left on, the third planet from the sun, as distinguished from the other planets of the solar system. 2 a practical, realistic 2 a day on Earth Day April 22, a day on

**TEACH GREEN**

**THE GREAT OUTDOORS**

**GETTING WHERE YOU NEED TO GO**

**VOLUNTEER**

**CELEBRATE OUR EARTH**

- GET STARTED WITH GYR
- CLIMATE CHANGE AND YOUR HOME
- REBATES & INCENTIVES
- GYR INSIDE YOUR HOME
- GYR OUTSIDE YOUR HOME
- GYR IN YOUR NEIGHBORHOOD
- HELPFUL LINKS
- JOIN IN

## CLIMATE CHANGE AND YOUR HOME

If you read the popular press lately you might think that Floridians are doomed. In an effort to raise awareness of the very real climate issues our region is facing, everyone from news reporters to bloggers are sounding the alarm.

**In the City of Fort Lauderdale, we believe it is important to gather as much information as possible and to focus on data coming out of universities and scientific institutions as well as the public agencies and private organizations that work with them.** With good information you can make good decisions.

### What does the current data mean for you and the home you own or rent?

**GREEN YOUR COOLING ROUTINE**

**Our hot season is getting longer and may increase in temperature slightly.** Check that your HVAC system is maintained properly, drink plenty of water, wear sunscreen, and know what to do in case of a heat emergency. Take a look at our **High Temperature Living** pages and our tips for **Greening Your Cooling Routine**. It's a guide to the steps you can take room by room to cool your home or apartment in ways that don't harm the planet. To cool our city, sign up for

utility e-billing and **get a free tree** to plant in your yard or to donate to someone else.

**Storms may increase in frequency and intensity.** While we all work towards a greener future, we cannot ignore the risks associated with climate, especially rising seas. Being prepared is more important than ever. Be sure to review all of the preparedness information provided by our Emergency Management Department, develop an evacuation plan and check your insurance coverage. Also make sure to do your pre-hurricane season hazardous waste drop off and yard clean-up.

**BE READY**

**Flooding in Fort Lauderdale will continue to be a**



# Benefits to Neighbors

- Locally relevant
- Multiple perspectives:
  - Challenges and goals
  - What's happening: Our work, news, results
  - Available services and programs
  - How to get involved
- Practical tips and instructions
- Directories, Apps, Maps, Incentives
- Direct link to Customer Service
- Better information... faster



[fortlauderdale.gov/gyr](http://fortlauderdale.gov/gyr)

**DRAFT**  
**CITY OF FORT LAUDERDALE**  
**SUSTAINABILITY ADVISORY BOARD**  
**CITY HALL CONFERENCE ROOM**  
**100 NORTH ANDREWS AVENUE – 8<sup>th</sup> Floor**  
**April 27<sup>th</sup>, 2015 – 7:00 PM**

			Cumulative Attendance 1/2015 through 12/2015	
MEMBERS	APPT By	ATTENDANCE	PRESENT	ABSENT
1. Alena Alberani, Chair	II			
2. Jason Liechty, Vice Chair	IV			
3. Daniel Ayers	M			
4. Lawrence Clark	I			
5. Lance Cutrer	I			
6. Jeffrey Huber	II			
7. Jim Moyer	III			
8. Chad Scott	II			
9. Mate Thitisawat	C			
10. Enrique Vadiveloo	IV			
11. Cheryl Whitfield	III			

**Staff Present**

Sustainability Division of Public Works

Glen Hadwen, Sustainability Manager

Adrienne Ehle, Environmental Analyst, Interim Staff Liaison

Engineering Division of Public Works

Jorge Holguin, Senior Project Manager

Parks Division of Parks & Recreation

Mark Almy, Parks Supervisor

**Call of Order/Roll Call**

The meeting was called to order by [Chair/Vice Chair Name] at [time] pm, roll was called, and it was determined a quorum was present. [Member arrival times to be added as applicable].

## **DRAFT Communication to the City Commission**

Beach wrack is defined as, "organic material such as kelp and sea grass that is cast upon the beach by surf, tides, and wind. It marks the high tide line. The organic portions of wrack provide food and habitat to many species that inhabit the shoreline, including insects and birds. Wrack also provides an incubator to grasses and other plants which grow along the shoreline and help to anchor dune systems."

Although often considered unsightly and removed as part of beach "grooming," beach wrack is vital to our coastal dune system and beach ecology. Like sea oats that anchor dunes, beach wrack plays an integral role in the beach ecosystem and protects beaches from erosion, thus buffering coastal cities against sea level rise. Beach wrack is essentially the basis of the coastal ecosystem, supplying nutrients, food, protection for tiny organisms to grow, as well as a seed source for dune and beach vegetation. Numerous coastal municipalities are aware of this vital role and prohibit removing wrack lines, except under extreme circumstances.

The wrack line is like a seafood buffet for migrating shorebirds, especially species with very long-distance migrations. They depend on it to feed and put fuel and fat on their bodies. Florida is a critical geographic location for this feeding before or after crossing the ocean along the journey. Allowing access to food will support the species' sustainability through environmental stewardship.

With regard to sea level rise, education of the importance of wrack to shoring up our coastline is key to understanding its vital role in our coastal protection and resiliency. The Sustainability Advisory Board recommends identifying one or more sections of our beach that were most affected during Tropical Storm Sandy to allow beach wrack to collect there and not be removed. This could be a pilot program with educational signage explaining beach erosion, sea level rise and the importance of restoring dune health as part of a resiliency strategy.

## **Attachments**

- I. **Beach Wrack Presentation** (SAB meeting 2/23/15): select slides showing examples of educational signage from: Santa Barbara, CA; San Onofre State Beach, CA; Sarasota County, FL.

## **Motion**

Motion made by [Mr./Ms. Name], seconded by [Mr./Ms. Name] to advance the above Communication to the City Commission. In a voice vote, the motion passed [vote].

### Educational Signage - Santa Barbara, CA.



### Educational Signage - San Onofre State Beach, CA



### Share the Shore Signage - Sarasota County, Florida







**REGULAR AGENDA  
CITY COMMISSION, CITY OF HALLANDALE BEACH  
WEDNESDAY, APRIL 1, 2015 6:30 PM  
City Commission Planning & Scheduling Session will begin at 6:00 P.M.**

- 1. CALL TO ORDER**
- 2. ROLL CALL**
- 3. PLEDGE OF ALLEGIANCE**
- 4. PUBLIC PARTICIPATION - (Speakers must sign-in with the City Clerk prior to the start of the meeting)**
- 5. PRESENTATIONS**
- 6. COMMISSIONER COMMUNICATIONS - Items not on the Agenda**
  - A. COMMISSIONER LAZAROW
  - B. COMMISSIONER LONDON
  - C. COMMISSIONER SANDERS
  - D. VICE MAYOR JULIAN
  - E. MAYOR COOPER
- 7. CITY ATTORNEY COMMUNICATIONS - Items not on the Agenda**
- 8. CITY MANAGER COMMUNICATIONS - Items not on the Agenda**
- 9. MINUTES**
  - A. JANUARY 28, 2015 REGULAR CITY COMMISSION MEETING (SEE BACKUP) ([Supporting Docs](#))
  - B. FEBRUARY 4, 2015 REGULAR CITY COMMISSION MEETING (SEE BACKUP) ([Supporting Docs](#))



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## 10. CONSENT AGENDA

None

## 11. ORDINANCES ON FIRST READING

- A. AN ORDINANCE OF THE MAYOR AND CITY COMMISSION OF THE CITY OF HALLANDALE BEACH, FLORIDA, AMENDING CHAPTER 2, ADMINISTRATION; ARTICLE III, BOARDS, COMMITTEES, DISTRICTS AND AUTHORITIES; DIVISION 7, PLANNING AND ZONING BOARD; SPECIFICALLY SECTION 2-232 MEETINGS; PROVIDING FOR CONFLICT; PROVIDING FOR CODIFICATION; PROVIDING FOR SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE. (SPONSORED BY THE CITY COMMISSION) (SEE BACKUP) ([Staff Report](#), [Supporting Docs](#))
- B. AN ORDINANCE OF THE MAYOR AND CITY COMMISSION OF THE CITY OF HALLANDALE BEACH, FLORIDA, AMENDING ARTICLE XII OF CHAPTER 7 BUSINESSES, TO BE RETITLED "CONVENIENCE BUSINESSES AND MISCELLANEOUS BUSINESS ACTIVITIES"; CREATING SECTIONS 7-453 THROUGH 7-458 TO BE ENTITLED "FILMING ACTIVITIES," TO PROVIDE A PERMITTING REQUIREMENT FOR FILMING WITHIN AND THROUGHOUT THE CITY OF HALLANDALE BEACH; PROVIDING A PENALTY AND APPEAL PROCEDURE; RESERVING SECTIONS 7-459 THROUGH 7-460; AMENDING ARTICLE XIII TO RESERVE SECTIONS 7-462 THROUGH 7-464; PROVIDING FOR CONFLICT; PROVIDING FOR CODIFICATION; PROVIDING FOR SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE. (STAFF: CITY ATTORNEY) (SEE BACKUP) ([Staff Report](#), [Supporting Docs](#))
- C. AN ORDINANCE OF THE MAYOR AND CITY COMMISSION OF THE CITY OF HALLANDALE BEACH, FLORIDA, AMENDING CHAPTER 13 HEALTH AND SANITATION BY RENAMING IT HEALTH, SANITATION AND ENVIRONMENTAL PROTECTIONS; CREATING ARTICLE V, ENVIRONMENTAL PROTECTIONS; CREATING SECTIONS 13-111 AND 13-112 TO ESTABLISH CERTAIN RESTRICTIONS ON THE USE OF EXPANDED POLYSTYRENE (STYROFOAM) PRODUCTS; PROVIDING FOR CONFLICT; PROVIDING FOR SEVERABILITY; PROVIDING FOR CODIFICATION; AND PROVIDING AN EFFECTIVE DATE. (SPONSORED BY COMMISSIONER LONDON) (SEE BACKUP) ([Staff Report](#), [Supporting Docs](#))
- D. AN ORDINANCE OF THE MAYOR AND CITY COMMISSION OF THE CITY OF HALLANDALE BEACH, FLORIDA, AMENDING CHAPTER 23 PROCUREMENT BY AMENDING SECTION 23-14, "CONE OF SILENCE" TO EXEMPT COMMUNICATIONS BETWEEN THE MAYOR AND CITY COMMISSION AND CITY ADMINISTRATION DURING THE EVALUATION PROCESS REGARDING DOCUMENTS RELEASED BY THE CITY AND RECEIVED FROM RESPONDERS; PROVIDING FOR CONFLICT; PROVIDING FOR SEVERABILITY; PROVIDING FOR CODIFICATION; AND PROVIDING AN EFFECTIVE DATE.. (STAFF: DIRECTOR OF PROCUREMENT) (SEE BACKUP) ([Staff Report](#), [Supporting Docs](#))

## 12. ORDINANCES ON SECOND READING/PUBLIC HEARING

None

## 10. CONSENT AGENDA

None

## 11. ORDINANCES ON FIRST READING

- A. AN ORDINANCE OF THE MAYOR AND CITY COMMISSION OF THE CITY OF HALLANDALE BEACH, FLORIDA, AMENDING CHAPTER 2, ADMINISTRATION; ARTICLE III, BOARDS, COMMITTEES, DISTRICTS AND AUTHORITIES; DIVISION 7, PLANNING AND ZONING BOARD; SPECIFICALLY SECTION 2-232 MEETINGS; PROVIDING FOR CONFLICT; PROVIDING FOR CODIFICATION; PROVIDING FOR SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE. (SPONSORED BY THE CITY COMMISSION) (SEE BACKUP) ([Staff Report](#), [Supporting Docs](#))
- B. AN ORDINANCE OF THE MAYOR AND CITY COMMISSION OF THE CITY OF HALLANDALE BEACH, FLORIDA, AMENDING ARTICLE XII OF CHAPTER 7 BUSINESSES, TO BE RETITLED "CONVENIENCE BUSINESSES AND MISCELLANEOUS BUSINESS ACTIVITIES"; CREATING SECTIONS 7-453 THROUGH 7-458 TO BE ENTITLED "FILMING ACTIVITIES," TO PROVIDE A PERMITTING REQUIREMENT FOR FILMING WITHIN AND THROUGHOUT THE CITY OF HALLANDALE BEACH; PROVIDING A PENALTY AND APPEAL PROCEDURE; RESERVING SECTIONS 7-459 THROUGH 7-460; AMENDING ARTICLE XIII TO RESERVE SECTIONS 7-462 THROUGH 7-464; PROVIDING FOR CONFLICT; PROVIDING FOR CODIFICATION; PROVIDING FOR SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE. (STAFF: CITY ATTORNEY) (SEE BACKUP) ([Staff Report](#), [Supporting Docs](#))
- C. AN ORDINANCE OF THE MAYOR AND CITY COMMISSION OF THE CITY OF HALLANDALE BEACH, FLORIDA, AMENDING CHAPTER 13 HEALTH AND SANITATION BY RENAMING IT HEALTH, SANITATION AND ENVIRONMENTAL PROTECTIONS; CREATING ARTICLE V, ENVIRONMENTAL PROTECTIONS; CREATING SECTIONS 13-111 AND 13-112 TO ESTABLISH CERTAIN RESTRICTIONS ON THE USE OF EXPANDED POLYSTYRENE (STYROFOAM) PRODUCTS; PROVIDING FOR CONFLICT; PROVIDING FOR SEVERABILITY; PROVIDING FOR CODIFICATION; AND PROVIDING AN EFFECTIVE DATE. (SPONSORED BY COMMISSIONER LONDON) (SEE BACKUP) ([Staff Report](#), [Supporting Docs](#))
- D. AN ORDINANCE OF THE MAYOR AND CITY COMMISSION OF THE CITY OF HALLANDALE BEACH, FLORIDA, AMENDING CHAPTER 23 PROCUREMENT BY AMENDING SECTION 23-14, "CONE OF SILENCE" TO EXEMPT COMMUNICATIONS BETWEEN THE MAYOR AND CITY COMMISSION AND CITY ADMINISTRATION DURING THE EVALUATION PROCESS REGARDING DOCUMENTS RELEASED BY THE CITY AND RECEIVED FROM RESPONDERS; PROVIDING FOR CONFLICT; PROVIDING FOR SEVERABILITY; PROVIDING FOR CODIFICATION; AND PROVIDING AN EFFECTIVE DATE.. (STAFF: DIRECTOR OF PROCUREMENT) (SEE BACKUP) ([Staff Report](#), [Supporting Docs](#))

## 12. ORDINANCES ON SECOND READING/PUBLIC HEARING

None

### **13. RESOLUTIONS/PUBLIC HEARING**

None

### **14. RESOLUTIONS/CITY BUSINESS**

- A. A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF HALLANDALE BEACH, FLORIDA, RATIFYING THE CITY MANAGER'S TRANSFER AND EXPENDITURE OF FUNDS FROM THE STORMWATER UNAPPROPRIATED FUND BALANCE IN AN AMOUNT NOT TO EXCEED ONE HUNDRED FIFTY THOUSAND (\$150,000.00) DOLLARS TO CONDUCT THE NECESSARY STORMWATER SYSTEM CLEANUP ACTIVITIES AS DESCRIBED IN THE PROJECT PROPOSAL ATTACHED AS EXHIBIT "2"; AND RATIFYING THE CITY MANAGER'S EXECUTION OF ALL NECESSARY DOCUMENTS TO EFFECTUATE THE TRANSFER AND EXPENDITURE OF FUNDS; PROVIDING AN EFFECTIVE DATE. (STAFF: CITY MANAGER) (SEE BACKUP) ([Staff Report](#), [Supporting Docs](#))

### **15. ADJOURN**

### **13. RESOLUTIONS/PUBLIC HEARING**

None

### **14. RESOLUTIONS/CITY BUSINESS**

- A. A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF HALLANDALE BEACH, FLORIDA, RATIFYING THE CITY MANAGER'S TRANSFER AND EXPENDITURE OF FUNDS FROM THE STORMWATER UNAPPROPRIATED FUND BALANCE IN AN AMOUNT NOT TO EXCEED ONE HUNDRED FIFTY THOUSAND (\$150,000.00) DOLLARS TO CONDUCT THE NECESSARY STORMWATER SYSTEM CLEANUP ACTIVITIES AS DESCRIBED IN THE PROJECT PROPOSAL ATTACHED AS EXHIBIT "2"; AND RATIFYING THE CITY MANAGER'S EXECUTION OF ALL NECESSARY DOCUMENTS TO EFFECTUATE THE TRANSFER AND EXPENDITURE OF FUNDS; PROVIDING AN EFFECTIVE DATE. (STAFF: CITY MANAGER) (SEE BACKUP) ([Staff Report](#), [Supporting Docs](#))

### **15. ADJOURN**



## City of Hallandale Beach City Commission Agenda Cover Memo

<b>Meeting Date:</b>	April 1, 2015		<b>Item Type:</b> <small>(Enter X in box)</small>	<b>Resolution</b>	<b>Ordinance</b>	<b>Other</b>	
					X		
<b>Fiscal Impact:</b> <small>(Enter X in box)</small>	<b>Yes</b>	<b>No</b>	<b>Ordinance Reading:</b> <small>(Enter X in box)</small>	<b>1<sup>st</sup> Reading</b>		<b>2<sup>nd</sup> Reading</b>	
		X			X		
			<b>Public Hearing:</b> <small>(Enter X in box)</small>	<b>Yes</b>	<b>No</b>	<b>Yes</b>	<b>No</b>
<b>Funding Source:</b>			<b>Advertising Requirement:</b> <small>(Enter X in box)</small>	<b>Yes</b>		<b>No</b>	
							X
<b>Account Balance:</b>			<b>Quasi Judicial:</b> <small>(Enter X in box)</small>	<b>Yes</b>		<b>No</b>	
							X
<b>Project Number :</b>	N/A		<b>RFP/RFQ/Bid Number:</b>	N/A			
<b>Contract/P.O. Required:</b> <small>(Enter X in box)</small>	<b>Yes</b>	<b>No</b>	<b>Strategic Plan Priority Area:</b> <small>(Enter X in box)</small>  Cohesive Visual Appeal Civil & Respectful Government Create Local Jobs Economic Development Improve City Infrastructures Improve Safety, Security & Comfort of Residents Operational Excellence Quality of Life Vibrant Destination				
	X						
<b>Sponsor Name:</b>	Commissioner London		<b>Department:</b>	City Commission			

**Short Title:**

AN ORDINANCE OF THE MAYOR AND CITY COMMISSION OF THE CITY OF HALLANDALE BEACH, FLORIDA AMENDING CHAPTER 13 HEALTH AND SANITATION BY RENAMING IT HEALTH, SANITATION AND ENVIRONMENTAL PROTECTIONS; CREATING ARTICLE V, ENVIRONMENTAL PROTECTIONS; CREATING SECTIONS 13-111 AND 13-112 TO ESTABLISH CERTAIN RESTRICTIONS ON THE USE OF EXPANDED POLYSTYRENE (STYROFOAM) PRODUCTS; PROVIDING FOR CONFLICT; PROVIDING FOR SEVERABILITY PROVIDING FOR CODIFICATION; AND PROVIDING AN EFFECTIVE DATE.

**Staff Summary:**

-  
**Background:**

The City of Hallandale Beach believes that it is in the interest of the public's health, safety, and welfare of its residents and visitors to reduce litter and pollutants on the land and in the waters of the City. Additionally, the City has taken on the task to improve and beautify the City parks and beaches. These improvements may also include the establishment of food concessions for the sale and consumption of food and beverages by visitors and patrons at the parks and beaches.

It is anticipated with the opening of said concessions there may be an increased use of expanded polystyrene, a petroleum by-product commonly known as Styrofoam. Expanded polystyrene is neither readily recyclable nor biodegradable and may take hundreds to thousands of years to degrade in the environment. Additionally, expanded polystyrene is a common pollutant which fragments into smaller non-biodegradable pieces that may be ingested by marine life and other wildlife, thus harming or leading these creatures to death.

**Current Situation:**

-

This Ordinance, if adopted, would prohibit the use of expanded polystyrene food services articles by the City's contractors, temporary use permit holders on City property and beachside cafes. Lastly, this ordinance will prohibit the possession, use, and disposal of expanded polystyrene food service articles in all City facilities, property, parks and beaches.

<b>Proposed Action:</b>
-------------------------

The City Commission consider the attached Ordinance on First Reading and schedule for Second Reading for April 15, 2015

<b>Attachment(s):</b>
-----------------------

Exhibit 1 – Ordinance



1 EXHIBIT 1

2 ORDINANCE NO. 2015-

3 AN ORDINANCE OF THE MAYOR AND CITY COMMISSION OF THE  
4 CITY OF HALLANDALE BEACH, FLORIDA, AMENDING CHAPTER 13  
5 HEALTH AND SANITATION BY RENAMING IT HEALTH, SANITATION  
6 AND ENVIRONMENTAL PROTECTIONS; CREATING ARTICLE V,  
7 ENVIRONMENTAL PROTECTIONS; CREATING SECTIONS 13-111  
8 AND 13-112 TO ESTABLISH CERTAIN RESTRICTIONS ON THE USE  
9 OF EXPANDED POLYSTYRENE (STYROFOAM) PRODUCTS;  
10 PROVIDING FOR CONFLICT; PROVIDING FOR SEVERABILITY;  
11 PROVIDING FOR CODIFICATION; AND PROVIDING AN EFFECTIVE  
12 DATE.  
13

14  
15 WHEREAS, the City of Hallandale Beach (“City”) declares that it is in the interest of the  
16 public health, safety, and welfare of its residents and visitors to reduce litter and pollutants on  
17 the land and in the waters of the City; and  
18

19 WHEREAS, the City is expending sufficient tax dollars for the improvement and  
20 beautification of its parks and beaches; and  
21

22 WHEREAS, the City’s new beach parks will include food concessions for the sale and  
23 consumption of food and beverages by visitors and patrons at the beach parks; and  
24

25 WHEREAS, expanded polystyrene, a petroleum by-product commonly known as  
26 Styrofoam, is neither readily recyclable nor biodegradable and takes hundreds to thousands of  
27 years to degrade in the environment; and  
28

29 WHEREAS, expanded polystyrene is a common pollutant, which fragments into smaller,  
30 non-biodegradable pieces that are ingested by marine life and other wildlife, thus harming or  
31 killing them; and  
32

33 WHEREAS, due to the physical properties of expanded polystyrene, the EPA states that  
34 such materials can also have serious impacts on human health, wildlife, the aquatic  
35 environment and the economy; and  
36



70 thousands of years to degrade. Expanded polystyrene is a common pollutant, which  
71 fragments into smaller, non-biodegradable pieces that are harmful to marine life,  
72 other wildlife, and the environment. The City of Hallandale Beach's goals are to  
73 reduce the use of expanded polystyrene and encourage the use of reusable,  
74 recyclable, or compostable alternatives for the protection of our environment and  
75 marine life.

76 (b) Definitions. For the purpose of this section only the following definitions shall apply:

77 (1) City contractor means a contractor, vendor, lessee, concessionaire of the City, or  
78 operator of a City facility or property.

79 (2) Expanded polystyrene means blown polystyrene and expanded and extruded  
80 foams that are thermoplastic petrochemical materials utilizing a styrene monomer  
81 and processed by any number of techniques including but not limited to fusion of  
82 polymer spheres (expandable bead foam), infection molding, foam molding, and  
83 extrusion-blown molding (extruded foam polystyrene).

84 (3) Expanded polystyrene food service articles means plates, bowls, cups,  
85 containers, lids, trays, coolers, ice chest, and all similar articles that consist of  
86 expanded polystyrene.

87 (4) City facility includes but is not limited to, any building, structure, park, marina or  
88 beach owned, operated, or managed by the City of Hallandale Beach.

89 (5) City property includes, but is not limited to, any land, water or air rights owned,  
90 operated or managed by the City of Hallandale Beach.

91 (6) Temporary Use permit holder means any person or entity issued a temporary  
92 use permit by the City of Hallandale Beach for a special event on City property or  
93 in a City facility.

94 (c) City contractors and temporary use permit holders shall not sell, use, provide food in,  
95 or offer the use of expanded polystyrene food service articles in City facilities or on  
96 City property. A violation of this section shall be deemed a default under the terms of  
97 the City contract, lease, or concession agreement and is grounds for revocation of a  
98 temporary use permit. This subsection shall not apply to expanded polystyrene food  
99 service articles used for prepackaged food that have been filled and sealed prior to  
100 receipt by the City contractor or special event permit holder.

101 (d) Any City contract, lease, or concession agreement entered into prior to the effective  
102 date of this section or any temporary use permit issued prior to the effective date of  
103 this section shall not be subject to the requirements of this section, unless the City  
104 contractor or temporary use permit holder voluntarily agrees thereto.

105 **Section 13-112. Unlawful disposal of expanded polystyrene.**

106 It shall be unlawful for any person to use, carry, place or discard any expanded polystyrene  
107 product into any City facility, property, park, beach or marina. Persons violating this subsection  
108 shall be subject to a civil fine and/or citation as set forth in Section 1-8 of this Code of  
109 Ordinances.

110 **Sections 13-113-13-125 Reserved.**

112

113 \*\*\*\*\*

114 **SECTION 2. Conflict.** All ordinances or portions of the Code of Ordinances of the City  
115 of Hallandale Beach in conflict with the provisions of this ordinance shall be repealed to the  
116 extent of such conflict.

117 **SECTION 3. Severability.** Should any provision of this ordinance be declared by a  
118 court of competent jurisdiction to be invalid, the same shall not affect the validity of the  
119 ordinance as a whole, or any part thereof, other than the part declared to be invalid.

120 **SECTION 4. Codification.** It is the intention of the Mayor and City Commission that the  
121 provisions of this ordinance be incorporated into the Code of Ordinances; to effect such  
122 intention the words "ordinance" or "section" may be changed to other appropriate words.

123 **SECTION 5.** This Ordinance shall take effect immediately upon adoption.

127 PASSED AND ADOPTED on 1<sup>st</sup> reading on \_\_\_\_\_ 2015.

129 PASSED AND ADOPTED on 2<sup>nd</sup> reading on \_\_\_\_\_, 2015.

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\_\_\_\_\_  
JOY F. COOPER  
MAYOR

137  
138  
139 SPONSORED BY: COMMISSIONER KEITH LONDON

140  
141 ATTEST:

142  
143  
144  
145 \_\_\_\_\_

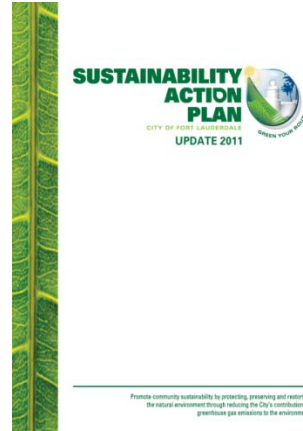
146 MARIO BATAILLE, CMC  
147 CITY CLERK

148 APPROVED AS TO LEGAL SUFFICIENCY and  
149 FORM

150  
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152  
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154 \_\_\_\_\_

155 V. LYNN WHITFIELD  
156 CITY ATTORNEY

# Sustainability Action Plan Progress Report



*Sustainability Advisory Board Meeting  
March 23, 2015*

Glen Hadwen

Adrienne Ehle

Public Works – Sustainability Division

 *Greening Our Routine* 

# Press Play Alignment

## Infrastructure Cylinder of Excellence

**G2**

*GOAL 2: Be a sustainable and resilient community.*

**03**

### **OBJECTIVE 3:**

Improve climate change resiliency by incorporating local, regional and mega- regional plans

STRATEGIC INITIATIVES:	LEAD:	PARTNERS:
1. <b>»</b> Implement the Sustainability Action Plan (SAP); align it with the Southeast Florida Regional Climate Action Plan (SFRCAP) and the Seven Counties - 50 Years Southeast Florida Prosperity Plan, and monitor progress	PWD	SAB, BC

KEY PERFORMANCE INDICATORS:	BASELINE:	5-YR TARGET:
<b>»</b> Percent of SAP initiatives implemented	10%	80%

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# City of Fort Lauderdale

## Sustainability Action Plan Update 2011

The City of Fort Lauderdale presents the 2011 Sustainability Action Plan (SAP) Update. This report provides recommendations for new and existing initiatives to encourage and assist our residents, businesses, developers, staff and organizations to practice sustainability. By developing and implementing innovative programs now, our City can position itself to become a global leader through local action in sustainable practices.



# Chapters

- Leadership
- Air Quality
- Energy
- Water
- Built & Natural Environment
- Transportation
- Waste
- Progress Tracking



Promote community sustainability by protecting, preserving and restoring the natural environment through reducing the City's contribution of greenhouse gas emissions to the environment

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# Timeline

- **Data collection – January 2015**
- **Content Writing – February 2015**
- **Document Production- March 2015**
- **Release – April 2015**

# Sustainability Action Plan

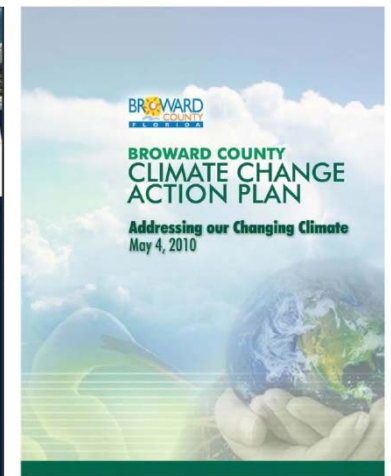
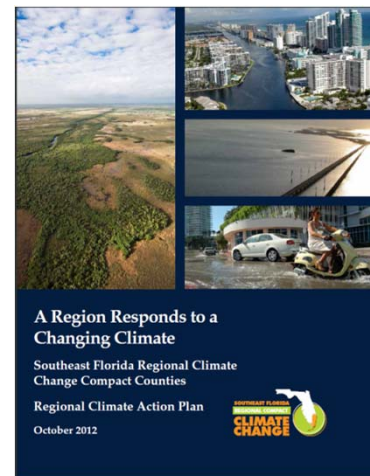
- 8 Chapters
- 18 Goals
- 30 Objectives
- 101 Action Items

## CHAPTER 2: LEADERSHIP

<b>Goal 1:</b>	<b>Lead by Example.</b>
<b>Objective 1.1:</b>	<b>Increase organizational capacity.</b>
Action 1.1.1:	Assign City staff to implement sustainability initiatives.
Action 1.1.2:	Set aside annual budget for sustainability projects and staff time.
Action 1.1.3:	Create common data base of best green management practices.
Action 1.1.4:	Create strategic partnerships with local educational institutions and businesses; large energy and water users; regional organizations.

# Sustainability Action Plan Update

- Align with Fast Forward and Press Play
- Align with RCAP and Broward County Climate Action Plan
- To be completed in 2015



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# Status Categories

**Complete** = complete with no further action required.

**In progress** = activity is currently underway.

**Initiated** = some activity has occurred and future activity is anticipated.

**On standby** = activity paused due to significant barriers.

**Not started** = no direction has been received to begin  
-or- was not initiated due to significant barriers.

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# Categories Reported to Date

**42 are Complete**

**30 are In progress**

**6 are Initiated**

**10 are On standby**

**13 are Not started**

0 Data results pending

---

# Items Status Reported as Complete

## LEADERSHIP

Goal 1: Lead by Example.

Objective 1.1: Increase organizational capacity.

**Action 1.1.1:** Assign City staff to implement sustainability initiatives.

**Action 1.1.2:** Set aside annual budget for sustainability projects and staff time.

---

# Items Status Reported as Complete

## LEADERSHIP

Goal 2: Implement and Enforce Sustainability Policies.

Objective 2.1: Implement and Enforce Policies that Encourage Sustainability.

**Action 2.1.3:** Reflect and incorporate sustainability in new and existing policies.



---

# Items Status Reported as Complete

## LEADERSHIP

Goal 4: Prepare for Climate Change Impacts.

Objective 4.1: Plan for climate adaptation and mitigation.

**Action 4.1.1:** Include adaptation/mitigation strategies into the City's plans.

**Action 4.1.2:** Enhance communication about climate change adaptation in coordination with other agencies and municipalities.

**Action 4.1.3:** Partner with local, regional and state agencies or educational institutions to increase preparedness and mitigate risk.

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# How Can the Sustainability Advisory Board Help?

- **Communicate questions or concerns**
- **Start thinking about improvements to future SAP**
- **Any suggestions?**



*Greening Our Routine*