

# The City of Fort Lauderdale

## Presents:



GET IN THE  
**GREEN**

MULTI-FAMILY RECYCLING

CITY OF FORT LAUDERDALE



A Green Your Routine Initiative Program

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# INTRODUCTION

The City of Fort Lauderdale has an ambitious plan and you are an important part of it.

We want to:

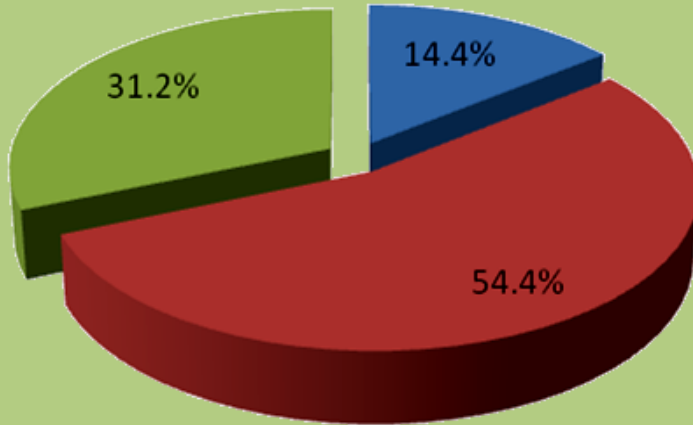
- Reduce waste, 
- Increase the amount of material being recycled by apartments and condominiums, 
- Make Fort Lauderdale a healthier, more sustainable community, and
- Most importantly, meet the State of Florida's aspirational goal of increasing recycling 75% by 2020



# INTRODUCTION

## History of Recycling

### Florida Municipal Solid Waste Management (2010)



■ Combusted ■ Landfilled ■ Recycled

- It has been 25 years since we first learned about reducing, reusing, and recycling.
- In 2010, the state set the aspirational recycling goal at 75% (up from the original mandate of 30%, 20 years ago)

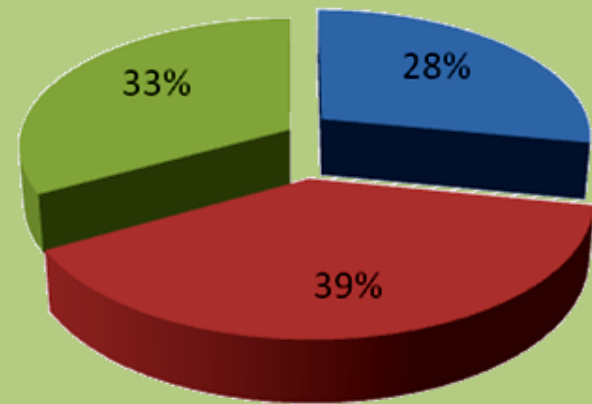


# INTRODUCTION

## Current Trends In Broward County

- 39% of our waste is still landfilled (down by 7% since 2006)
- Another 28% is sent to the Waste-To-Energy plant (down by 6% since 2006)
- 33% is recycled (up by 13% since 2006)

Broward County Municipal Solid Waste Management (2010)





■ Combusted ■ Landfilled ■ Recycled



# WHY RECYCLE?



## It's The Smart Choice

-  By recycling, materials are diverted from landfills.
-  The single-stream method (i.e., throwing all recyclables together in a receptacle instead of sorting) makes it easier to recycle.



# WHY RECYCLE?

## It's Also The Law

-  City of Fort Lauderdale Ordinance C-95-36 requires all condominiums, town homes, and rental apartment complexes to provide on-site recycling service for residents. A copy of the ordinance can be found online at [www.fortlauderdale.gov/gyr](http://www.fortlauderdale.gov/gyr)
-  The City has also established guidelines regarding acceptable recyclables and appropriate levels of service, which also can be found online.



# BENEFITS OF RECYCLING

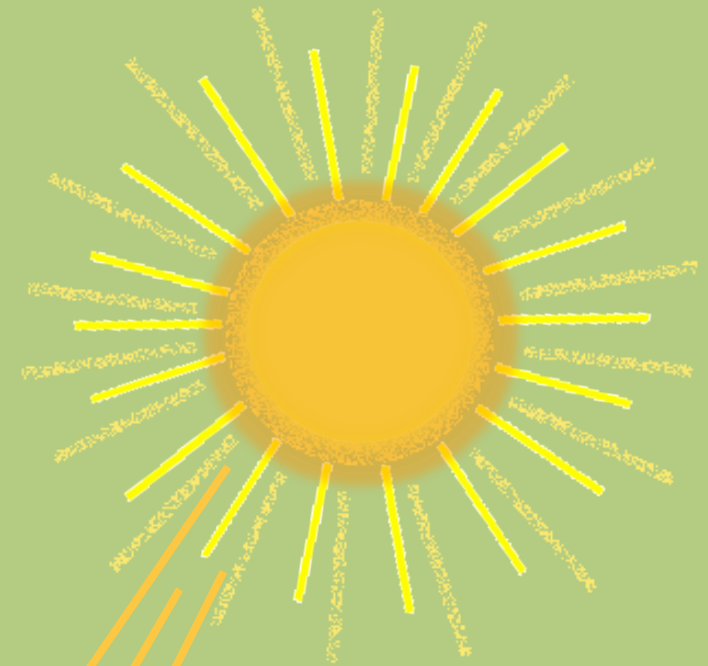
## Environmental Benefits

- Reduces the amount of waste sent to landfills and incinerators
- Conserves natural resources such as water, timber, and minerals
- Prevents pollution by reducing the need to collect raw materials
- Saves energy and reduces greenhouse gas emissions
- Helps sustain the environment for future generations





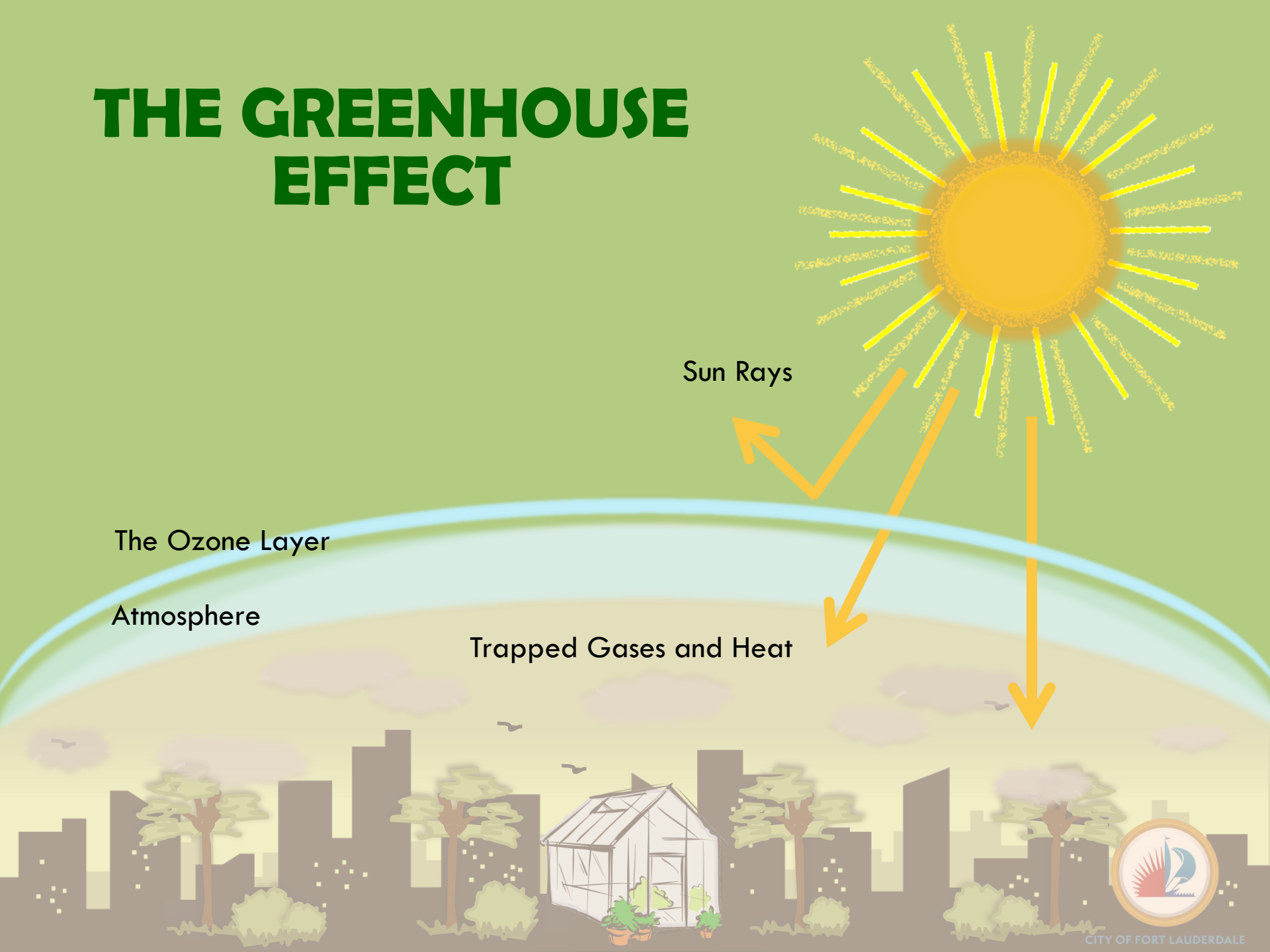
# THE GREENHOUSE EFFECT



Sun Rays



# THE GREENHOUSE EFFECT



Sun Rays

The Ozone Layer

Atmosphere

Trapped Gases and Heat



# BENEFITS OF RECYCLING



## Economic Benefits

- Decreases waste disposal costs
  - Your trash volume will reduce, hence a smaller container can be used for collection
- The cost for recycling service about is 40% less than hauling away trash
- Helps create new green jobs in the recycling and manufacturing industries in South Florida
- End-to-end manufacturing costs are less



# BENEFITS OF RECYCLING

Today, more and more products are being manufactured using recycled content. Items that contain recycled materials include:

- Newspapers and toilet paper
- Metal cans and glass drink containers
- Plastic water bottles
- Plastic laundry detergent bottles
- Sportswear and picnic tables









1

You toss your recyclables into your cart, bin, or dumpster to be collected and processed at the Materials Recovery Facility (or MRF)



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## REDISCOVER THE LOOP

3



2







2

Your recyclables are then sorted at the MRF and converted into post-consumer materials to be bought by manufacturing companies to make products that will be sold in stores.

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## REDISCOVER THE LOOP

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You purchase products made from recycled materials for home, work, and play, including everyday items that can be recycled later.



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## REDISCOVER THE LOOP



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Your recyclables are then sorted at the MRF and converted into post-consumer materials to be bought by manufacturing companies to make products that will be sold in stores.



3

You purchase products made from recycled materials for home, work, and play, including everyday items that can be recycled later.



# DESIGNING YOUR PROGRAM

## 1. Assemble Your Team

In order to execute a successful program, you will need the support of the following members:

- The Property Manager/Owner
- The Condominium Association
- Maintenance Staff
- Residents/Tenants
- Local Permitted Haulers





# DESIGNING YOUR PROGRAM

## 2. Assess Your Situation



Review the design and layout of your building, facilities, and residents' traffic patterns.

As you form your recycling team, discuss the following:



# DESIGNING YOUR PROGRAM

## 2. Assess Your Situation

- What are your building logistics?
- What are your recycling options?
- What is being recycled now and how good of a job are you doing?
- What does your building need to do to make its recycling program most effective?



# DESIGNING YOUR PROGRAM

## 3. Make Recycling Collection Convenient



- If possible, make garbage and recycling services equally easy to use (i.e., indoor and/or outdoor).
  - ▶ Dumpsters
  - ▶ Floor-by-floor
    - Place recycling containers in common areas (laundry rooms, mail area, parking garages, etc.)

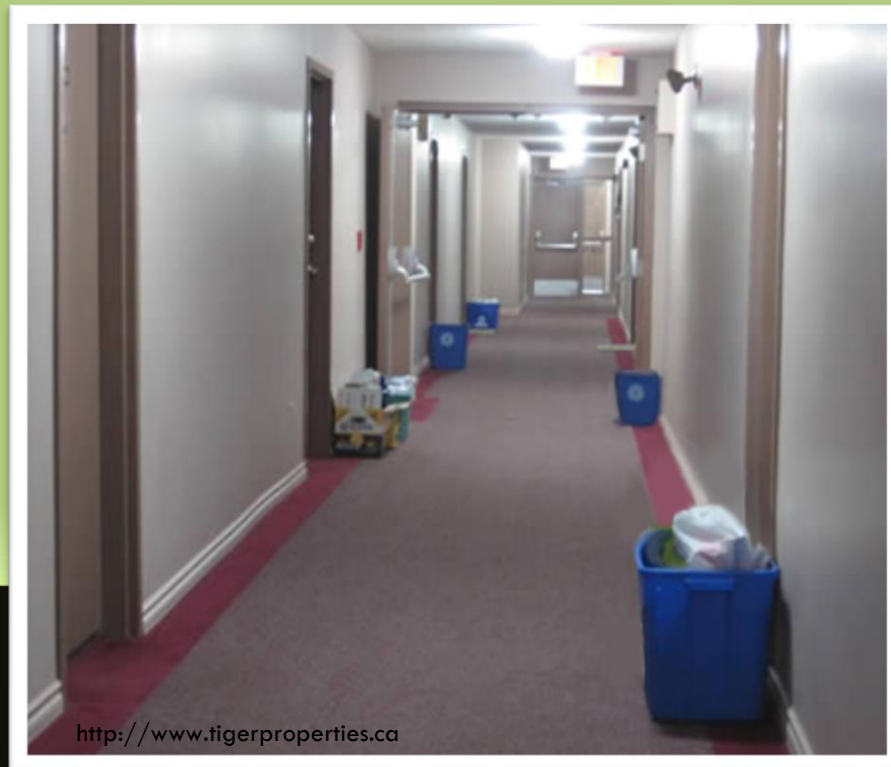




# DESIGNING YOUR PROGRAM

## 3. Make Recycling Collection Convenient

- Valet service
  - ▶ Have staff members or contracted help collect recyclables from residents' doorsteps.



# DESIGNING YOUR PROGRAM

## 3. Make Recycling Collection Convenient

Building Type or Feature	Ideal Placement for Communal Recycling Area
High-Rise (>12 stories)	In the trash room on each floor
Mid/Low-Rise (<12 stories)	On the ground floor or basement, next to the trash or an outside enclosure
Multiplex ( ≥4 units)	A large recycling receptacle for units to share between them
Garden	Next to the trash in an outside enclosure



# DESIGNING YOUR PROGRAM

## 3. Make Recycling Collection Convenient

- Consider retrofitting chutes.



An example of compactor combo for trash and recycling



3-D renderings of an installed chute system



# DESIGNING YOUR PROGRAM

## 4. Have The Capacity To Collect Recyclables

- Pick the right sized recycling and garbage containers to hold the materials that accumulate between collections.
- A suitable space for collection and storage of recyclables materials must be identified.



# DESIGNING YOUR PROGRAM

## 4. Have The Capacity To Collect Recyclables

RECEPTACLE	DIMENSIONS
18-Gallon Bin	Approximately 13.5" height x 27" width x 17" depth
35-Gallon Cart	Approximately 39" height x 21" width x 23" depth
65-Gallon Cart	Approximately 41" height x 27" width x 29" depth
95-Gallon Cart	Approximately 46" height x 29" width x 34" depth
Dumpster	A dumpster is by standard 88 inches in width. Depending on its capacity (e.g., 2-yd vs. 4-yd), only its height and depth will vary



# DESIGNING YOUR PROGRAM

## 4. Have The Capacity To Collect Recyclables

- If your complex generates a lot of cardboard, contact your services provider about getting a container specifically for cardboard collection.



# DESIGNING YOUR PROGRAM

## 5. Determine Which Recyclable Materials Will Be Accepted In The Collection Stream

Most service providers accept the same materials that are collected in the City of Fort Lauderdale curbside recycling program:



# ACCEPTED AND NOT ACCEPTED ITEMS

## ACCEPTABLE

- ✓ Plastics 1 through 7  
(except bags, film, wrap,  
and toys)
- ✓ Cardboard and paperboard
- ✓ Metal cans and lids  
(tin, steel, and aluminum)
- ✓ All easy to tear paper and  
books
- ✓ Glass bottles and jars
- ✓ Shredded paper in paper  
bags

## NOT ACCEPTABLE

- ✗ Drinkware and ceramics
- ✗ Mirrors, windows, and light bulbs
- ✗ Plastic film, bags, wrap or toys
- ✗ Medical waste
- ✗ Electronics
- ✗ Batteries
- ✗ Yard waste and construction debris
- ✗ Styrofoam and wet newspaper
- ✗ Non-recyclables





# “GREEN LEASING” AND ADDENDUMS

The trendy term “green leasing” is being quickly being adopted by property owners as today’s tenants are becoming increasingly more environmental conscious and resourceful.



# “GREEN LEASING” AND ADDENDUMS

Although its definition is still being determined, “green leasing” can be utilized to describe the eco-friendly practices being carried out by a property (such as implementing recycling).



# “GREEN LEASING” AND ADDENDUMS

It is crucial to communicate to those who are in opposition the importance of recycling. Draft an addendum to your existing rental lease with a section dedicated to waste disposal and/or house rules to help address this issue.



# CONTRACTING WITH A RECYCLING COLLECTOR

## ALWAYS REMEMBER:

You are the customer and it is your right to shop around for the best price on recycling hauling services.



# CONTRACTING WITH A RECYCLING COLLECTOR

## 1. SELECTING A RECYCLING HAULER

It is not uncommon practice to use the same trash hauler for recycling service as well. Work with a private *permitted* recycling hauler in the City to set up a recycling program for your tenants. Registered haulers can be found on [www.fortlauderdale.gov/gyr](http://www.fortlauderdale.gov/gyr)



# CONTRACTING WITH A RECYCLING COLLECTOR

## 2. ISSUES TO ADDRESS

- What materials will be recycled?
- Which system of collection will be implemented (single-stream, dual stream, cardboard only, etc.)?
- What are the minimum amounts required for pick-up?
- Where will the container(s) be located?



# CONTRACTING WITH A RECYCLING COLLECTOR

## 2. ISSUES TO ADDRESS

- How will containers/recycling areas be labeled?
- How frequently will the recyclables be collected?
- What sizes, types, and numbers of collection containers are available?
- How much will additional equipment cost?



# CONTRACTING WITH A RECYCLING COLLECTOR

## 2. ISSUES TO ADDRESS

- How much are the structural costs (i.e., retrofitting)?
- Request an itemized invoice including the tonnages collected (if possible).
- Are you entitled to rebates for the value of the recyclable materials collected?





# CONTRACTING WITH A RECYCLING COLLECTOR

## 2. ISSUES TO ADDRESS

- What are considered “contaminants”?
- Contract information
- Do you have a specific account representative?
- Ask for a reduction in waste disposal costs.



# EDUCATION FOR STAFF

- ✍ Assign and review responsibilities and related procedures with the maintenance staff.
- ✍ Train employees to encourage recycling among tenants and how to address any concerns or inquiries.
- ✍ Invest in signage and container labels for the crew to replace worn/damaged ones or place in newly designated recycling areas.



# EDUCATION FOR STAFF

Create an easily accessible recycling program manual (either electronic or a hard copy) to house information containing what can and cannot be recycled, a map of communal recycling stations/container locations, staff procedures, and responses to frequently asked questions.



# EDUCATION FOR RESIDENTS

- Educate at time of move-in and semi-annually thereafter.
- **Remember: What, Why, How, Where, and When**
- Make sure garbage and recycling containers are clearly labeled.
- Place posters and signage near recycling containers and in common areas.
- Inform residents of other opportunities to recycle (e.g., electronics, clothing, and furniture).



# ENCOURAGING RESIDENTS TO RECYCLE



To encourage better participation:

- Track recycling results and communicate increases in recycling/decreases in garbage.
- Reward recycling residents and “green” volunteers with recycled products such as stationery, reusable water bottles, in-unit recycling containers, etc.
- Buy recycled products (e.g., carpeting) for use around the complex.



# GET IN THE GREEN

## HOW TO EXPAND AN EXISTING RECYCLING PROGRAM

- Purchase equipment such as interior containers or bi-sort chutes
- Print educational materials about your property's recycling program on recycled material to give to your tenants/residents
- Distribute promotionals made with recycled material to raise awareness about the importance of recycling
- Get additional carts or dumpsters to accommodate increased recycling





# GET IN THE GREEN

MULTI-FAMILY RECYCLING

CITY OF FORT LAUDERDALE

# QUESTIONS?

For more information, please call our Solid Waste & Recycling Coordinator at (954) 828-5054 or the 24-Hour Customer Service Call Center at (954) 828-8000.

