



Florida Department of Environmental Protection

Waste Reduction/Recycling

Make Recycling Your Business

Commercial Recycling Education

October 13, 2016





Housekeeping

50% by 2015
60% by 2017
70% by 2018
75% by 2020

- All attendees are in “listen-only” mode
- Please use the “Questions” tab to submit a question
- Questions will be answered at the end of the presentation
- The presentation and other material are available in the “Handouts” tab
- This session is being recorded and will be available on the DEP website for sharing
- Please complete the survey after the webinar



Florida Department of Environmental Protection

Waste Reduction/Recycling

Kim Brunson

Recycling and Solid Waste Manager
Publix Supermarkets

Chair of Florida Recycling Partnership and
Vice-Chair of Recycle Florida Today





Agenda

50% by 2015
60% by 2017
70% by 2018
75% by 2020

- Kim Brunson
 - Publix Super Markets
- Patricia Johnson
 - Waste Management
- Emory Smith
 - Lee County
- Paul Hurst
 - City of Tallahassee
- John Zapata
 - Rooms-To-Go



Florida Department of Environmental Protection

Waste Reduction/Recycling

Patricia Johnson

**Total Recycling Program Manager
South Florida**

Waste Management



Waste Management

Commercial Recycling



Patricia G. Johnson
Total Recycling Program Manager
October 2016

Presentation Overview

- ❖ Understanding Waste Management
- ❖ Benefits of Commercial Single Stream
- ❖ What Single Stream Recycling is to WM
- ❖ Different Ways WM Succeeds
 - ❑ Communications
 - ❑ Best Practices
 - ❑ Solutions out of the Box
 - ❑ Waste Management Sustainability Services



Waste Management



Single Stream Recycling Benefits



- ❖ Single-stream recycling greatly increases participation - on average up to 50 percent more recyclable materials
- ❖ Single-stream recycling allows all recyclables to be placed into a single container for collection and processing
- ❖ No sorting into separate bins and no use of multiple bins
- ❖ Helps lower costs and emissions by reducing transportation while capturing new volume
- ❖ Employs advanced recycling technology including magnets, screens and optical scanners to automate the sorting of recyclables
- ❖ Improves local recycling programs by increasing capacity while maintaining material quality

Challenges to Commercial Single Stream Recycling

- ❖ Changes in maintenance/janitorial staff
- ❖ Wrong containers interior & exterior
- ❖ Lack of training
- ❖ Lack of what is acceptable recyclables
- ❖ Lack of Posters/Signage
- ❖ Apathy from Management
- ❖ Enforcement

Miami Dade Ordinance No. 91-123 (not enforced)

Miami Beach Ordinance No. 2014 3886 (enforced)



Single Stream Recycling

At Waste Management Inc. of Florida

- ❖ Materials that we can extract value
- ❖ Materials that we can minimize contamination
- ❖ Efficiencies in truck routes
- ❖ Less cost to process
- ❖ Maximum resale value



Communications with Customers

- ❖ Know your Customer/Correct Equipment
- ❖ Education prior to Customer Commitment to have recycling/Right type of Recycling
- ❖ Correct Contracts
- ❖ Provide Training Materials to Customers (Posters/Brochures/Videos)
- ❖ What happens when there is contamination
- ❖ Operations ability to communicate directly with customer
- ❖ Account Manager Follow Ups not just as to service but as to “their” business

Contamination in your Recycling Container



Success in Commercial Recycling

1. University from 7.8% Diversion to 27.3%

Right Sized

Education

2. 2nd Largest Commercial Building in Miami from 0 diversion to 57%

Converted Compactor to Trash for 6 months

Educated Tenants/Janitorial

Internal Bins provided to all employees of tenants

3. Large Hotel 0 diversion to 12%

Recommended baler for Cardboard & Paper

Provided bins for cans & plastic bottles

Hotel implemented digester (86 tons/monthly to 69 tons/monthly tons/monthly)

Education to Hotel Employees



Solutions / Best Practices



Waste Management Sustainability Services

Providing Sustainable Strategies for All

Who we work with:

Commercial Properties

Education

Food & Retail

Healthcare

Maritime

Construction

Events & Venues

Government

Manufacturing

Transportation

What we do:

Sustainable Enterprise Strategies

Program Design & Implementation

Certification & Standards

Collaboratives & Innovation

Sustainable Performance, Analytics & Reporting

Resource Management

America Recycles. **Today and Every Day.**

Every time you recycle, you keep existing materials in motion. You're also saving an abundance of energy. No matter how small the effort, it makes a difference.



Find out more about what you can do to recycle at thinkgreen.com.



THINK GREEN!

Recycle Often Recycle RightSM

<http://recycleoftenrecycleright.com/>

Think before you
toss:

Almost anything you throw away can be recycled in some way – paper, plastic, aluminum, food waste, glass and even electronics

Get creative:

Think about new uses for cans, bottles and paper

Raise awareness:

Be a recycling ambassador

[WM's YouTube channel](#)

Reduce, Reuse and THEN Recycle



 **recycle**
The possibilities are endless.

"You must be the change you wish
to see in the world."
Mahatma Gandhi





Florida Department of Environmental Protection

Waste Reduction/Recycling

Emory Smith

**Superintendent, Public Works
Lee County Solid Waste**



Lee County Mandatory Business Recycling



A BRIEF HISTORY AND PROGRAM OVERVIEW

**EMORY SMITH
PUBLIC UTILITIES SUPERINTENDENT**



Lee County Ordinance 07-25



- Background
- Implementation
- Current Results

A copy of the ordinance is available on our website at
<http://www.leegov.com/solidwaste/about/ordinances>



- ❖ Franchise Haulers required to offer recycling collection along with MSW collection

- ❖ Cost was included in the MSW collection fee

- ❖ Franchise Haulers established collection rates for recycling from businesses



2000 – Multifamily Recycling Begins



❖ Recycling collection rates set in hauling contracts at \$1.25 per cy per collection

❖ Examples –

MSW 1-96-1 = \$50.59

Recy. 1-96-1 = \$ 2.57

Savings \$48.02

MSW 1-8-1 = \$240.96

Recy. 1-8-1 = \$ 43.33

Savings \$197.63

Cheaper to Recycle!



2005 – Additional Financial Incentive for Commercial Recycling



- ❖ Mandatory recycling for commercial establishments and multifamily properties
- ❖ Mandatory recycling of construction and demolition debris
- ❖ Commercial Customer Database



Enforcement!

**2007 –
Recycling Ordinance 07-25 enacted
Effective January 1, 2008**



Implementation – First Steps (Business and Multi-family)



- **Workshops (4)**
- **Educational Materials**
- **Customer Data from Franchise Haulers**
- **Ongoing Data Exchange**
- **Acquiring Private Contractor's (Hauler's) Recycling Information**
- **Website**

Commercial Customer Database



Cust #	Site #	Customer Name	Street #	Street Name	MSW	Qty	Size	Freq	REC	Qty	Size	Freq	Rec Provider	Comments
6479	1	(2) STEINMART #262	25191	S TAMIAMI TRL	FEL	1	8	3	R/O	1	40	0	ABC	SH CARDBOARD TO ORLANDO
8316	1	(PA) BONITA GRANDE INVESTMENTS	12870	TRADE WAY FOUR	FEL FEL REL	2 1 3	4 2 96	2 1 2	REL FEL	1 1	96 4	2 2	ABC ABC	
11697	1	7-ELEVEN	26975	OLD 41 RD	FEL	1	8	2	FEL	1	8	1	ABC	
11934	7	7-ELEVEN	12931	BONITA BEACH RD SE	FEL	1	6	2	FEL	1	6	1	ABC	
11934	8	7-ELEVEN	28175	S TAMIAMI TRL	FEL	1	4	2	FEL	1	4	1	ABC	
11934	9	7-ELEVEN	24530	S TAMIAMI TRL	FEL	1	4	2	FEL	1	6	1	ABC	
11934	10	7-ELEVEN	12661	BONITA BEACH RD	FEL	1	4	2	FEL	1	4	1	ABC	
11934	1	7-ELEVEN	6221	ESTERO BLVD	FEL	1	6	1	FEL	1	6	1	ABC	
11934	3	7-ELEVEN	7120	ESTERO BLVD	FEL	1	6	1	FEL	1	6	1	ABC	
11934	5	7-ELEVEN	3051	ESTERO BLVD	FEL	1	6	1	FEL	1	6	1	ABC	
11745	1	7-ELEVEN 34151	24651	S TAMIAMI TRL	FEL	1	6	2	FEL	1	8	2	ABC	
9379	1	A&S TRANSPORT	27871	INDUSTRIAL ST	FEL	1	2	1	REL	1	96	1	ABC	
9379	2	A&S TRANSPORT	27875	INDUSTRIAL ST	FEL	1	4	1					ABC	SHARES W/ SITE 1
10423	1	AAMCO OF BONITA SPRINGS	25090	BERNWOOD DR	FEL	1	4	1	REL	1	96	1	ABC	
3061	1	AAPA,LLP	9400	BONITA BEACH RD	FEL	1	8	1	REL	4	96	1	ABC	

Implementation – the Real Work

Commercial & Multi-Family



- Mailings, by area, to non-participants (first mailing May 2008)
- One-on-one meetings with local businesses
- Waste audits for businesses – often identifying savings
- Two more additional mailings to non-participants
- 50% of Businesses were doing some form of recycling already – Cardboard, paper, metal, etc.
- 85% of multi-family were recycling in 2008 when ordinance was enacted. Formal (voluntary) multi-family recycling began in 2000
- No fees administered to date

Business Recycling Ordinance Requirements



- **Must recycle their most generated recyclable material**
- **Fiber Products**
- **Containers**
- **Metals (ferrous or non-ferrous)**
- **Wood**
- **Other**

- **Multi-family recycling service is already provided (just under utilized)**

- **Owner is responsible – will require education**

Business Recycling Ordinance Requirements



- Road to Compliance
- Service agreement and convenient, properly sized container (outside) – business selects the hauler
- Education (probably the most important factor in sustaining programs)
- Convenient collection containers (inside)

- Advanced Disposal Fee
- 3 tiers based on generation code (\$100, \$250, \$500)
- Assessed monthly for non-compliance
- Multi-family only subject to fines

Results 2016



- 100% of multifamily properties participating
- 99.5% of commercial businesses participating
- Overall response has been positive

It took approximately one year to achieve these participation rates. These rates have remained stable since 2009.

There is still work to be done.

Implementation

Construction & Demolition Recycling



- Targeted mailings to DCD database
- DCD Coordination
 - Automated front desk implementation
 - SWD is connected to permits database
 - Did not require any additional customer service duties for DCD
- Website – source separated and comingled facility lists

Implementation

Construction & Demolition Recycling



Presentations and numerous workshops with Building Industry Association members and contractors.

- Asked for their input
- Some resistance
- Requests to make it simple to comply

Followed by a meeting with the Board of County Commissioners

- Commissioners indicated they would increase diversion fees if permittees were not complying at the end of one year.

Implementation

Construction & Demolition Recycling

Finalize internal issues

- Coordination with Permit Department
- Financial
- Educational Materials

Construction & Demolition Provisions



- **C & D Materials Diversion Fee**
 - Type of Permit (RES, COM, ROF)
 - Construction, Demolition or Alteration
 - Some types excluded due to limited waste generation
- **Must provide proof that 50% of materials generated were recycled**
- **Exemptions provided**
 - Lack of markets/recyclers
- **Refund period – 60 days from permit closure or expiration**

C & D Recycling Must be Enforceable and Supported by Local Elected Officials



Covered Projects	Diversion Fees
Roofing	\$ 100
Residence	\$ 300
Commercial <10,000 sf	\$ 500
Commercial >10,000 sf <100,000 sf	\$1,000
Commercial > 100,000 sf	\$5,000
Residential Alteration	\$ 100
Commercial Alteration	\$ 300
Demolition value </= \$10,000	\$ 300
Demolition value >/= \$10,000	\$ 750

C & D Recycling Necessary to Achieving a 50% Traditional Recycling Rate



- **Certified Construction & Demolition Processing Facilities**



- **Four Certified Facilities in Lee County for Unsorted Material**
 - ✦ **Submit monthly reports demonstrating a minimum of 50% diversion**
- **Multiple Facilities for Source-Separated Material**
 - ✦ **Examples - Concrete, metal, wood**

Documenting C & D Recycling



- **Permittee must submit documentation of compliance that includes**
 - A. Recycling Certification Form
 - B. Material Handling Worksheet
 - C. Weight Tickets (copies) from Receiving Facility
 - D. Failure to Provide Information or Meet the 50% Diversion Rate will Trigger Payment of Diversion Fee Prior to Scheduling Final Inspection.



**Lee County Solid Waste Division
Construction and Demolition Debris
Recycling Certification Form**
(239) 333-8000 (239) 338-3337 (fax)

Lee County requires that all covered projects as defined under Ordinance 07-25 recycle 50 percent of waste generated at the permitted site. Recycled material must be taken to County approved facilities. This certification should include a completed Construction and Demolition Debris Management Plan and any appropriate backup information to support the certification (i.e. load tickets, receipts, photos). A separate Recycling Certification Form must be completed for each permit.

Permit Number: _____
Name of Permittee/Company: _____
Project Address: _____
Permittee Contact Person: _____ Phone number: _____

	Yes	No	Explanation for check boxes:
Construction and Demolition Debris Management Plan (C&DDMP) attached?	<input type="checkbox"/>	<input type="checkbox"/>	Required
Supporting documents attached (load tickets, receipts, photos, etc.)?	<input type="checkbox"/>	<input type="checkbox"/>	Required
Other supporting information attached?	<input type="checkbox"/>	<input type="checkbox"/>	Optional
Exemption Request Form attached (as applicable)?*	<input type="checkbox"/>	<input type="checkbox"/>	Optional

*Exemption requests must be submitted and processed prior to submission of this form. Unprocessed exemption requests are not considered approved for diversion from the Ordinance requirements.

I hereby certify, under penalty of perjury, that this project meets the conditions as outlined in Ordinance 07-25 in that at least 50% of waste generated at this project was reused or recycled at a County approved facility and that the supporting information submitted with this Recycling Certification Form is true, accurate and complete.

Signature* _____ Corporate Seal
Name in print _____
Title _____
Date _____

*To be signed by a corporate officer, principal company party or contractors license holder of the company.



**Lee County Solid Waste Division
Construction and Demolition Debris
Material Handling Worksheet**
(239) 333-8000 (239) 338-3337 (fax)

Column A: List Estimated Quantities of waste for each material type (in tons). To convert yards to tons, use the County Approved Materials Conversion Worksheet.

Column B, C, D: List estimated quantities reused, recycled, or disposed based on Column A quantities.

Column E: State the name of all vendors or facilities used to reuse, recycle or dispose of materials listed. See examples below for cases where more than one facility was used for a particular material type.

Column Totals: Add up all material quantities for each column.

Diversion Percentage Estimate: Calculate the estimated diversion percentage and insert this on the appropriate space on the Project Certification Form. If this number is less than 50%, submit a project Exemption Form for review prior to submitting final paperwork.

Materials	A Total Quantity Generated	B Salvaged or Reused	C Recycled	D Disposed (Landfill)	E Proposed Destination(s)
Example: Curbboard	2 tons		1.5	0.5	Recycle - XYZ Recycling Facility Dispose - Gulf Coast Landfill
Asphalt and Concrete					
Brick/Masonry/Tile					
Building Materials					
Curbboard					
Carpet/Packing/Foam					
Ceiling Tiles					
Drywall					
Wood					
Metals					
Landscape Debris (do not include dirt)					
Dirt					
Carburetor/Train					
Appliances					
Mixed Debris*					
Other					
Column Totals	A	B	C	D	

* Mixed debris for recycling may only be included if the destination facility is a County Approved mixed debris recycling facility.

Diversion Percentage Estimate Calculation

$$\text{Column Totals } \frac{B + C}{A} \times 100\% = \boxed{} \%$$



**Lee County Solid Waste Division
Construction and Demolition Debris
Exemption Request**
(239) 333-8000 (239) 338-3337 (fax)

Lee County requires that all covered projects as defined under Ordinance 07-25 recycle 50 percent of waste generated at the permitted site. Recycled material must be taken to County approved facilities. This document is required to be submitted prior to the processing of information related to verifying compliance at the completion of the project.

Permit Number: _____
Name of Permittee/Company: _____
Project Address: _____
Permittee Contact Person: _____ Phone number: _____

Please describe the exemption request (reduced diversion percentage, waiver, etc.):

Please explain the reasons for the request:

Signature _____ Title _____
Date _____

To be completed by Solid Waste Division Staff

____ Accepted _____ Denied _____
SWD Staff Authorization/Date

Reasons for acceptance/rejection: _____
Additional provisions: _____

All forms are available on our website at

<http://www.leegov.com/solidwaste/business/recycling/constructiondebris>



C & D Instructions for Completing Forms



Per our conversation, please see attached the two forms that we discussed. Please complete, sign and return the forms to me along with a copy of any debris weight tickets. You may return the forms to me via fax, my fax number is at the top right of both forms, or by scanning and emailing the forms to me.

The Recycling Certification Form is fairly self explanatory. Fill in your permit number, site address, contact name and phone number on the top of the form. For the check boxes in the middle, check the first two “yes” and the second two “no”. At the bottom of the page, sign and print your name, state your title and date the form. At the bottom right, there is a space for a corporate seal – don’t worry about the seal unless you happen to have one.

For the Material Handling Worksheet – total the tonnages on your debris tickets and write the total in column “A” next to *Mixed Debris (the last section in the column of materials). Next, divide your total in half (each of the approved facilities demonstrate to us via monthly reporting that at least 50% of all debris disposed of there, by weight, is recycled) and write whatever half of your total tonnage is in column “C” (Recycled) and the other half in column “D” (Disposed). In column “E” fill in the name of the facility. At the bottom, to the far right of the diversion calculation, write “50%” in the box. That’s it – you’re all done.

Please let me know if you have any questions or need further assistance filling out your forms. As soon as I have your completed documentation, I’ll review them and sign off for you so that you can schedule your inspection.

Thanks and have a great afternoon.

Recording Proper Diversion



Tidemark Advantage [Katherine E. Kallas - KEK]

File Edit Options Window Help

Exit New Open Task List GBE GIS Close View Add Delete Sign Off Print Documents

Case Browse

Query Select GIS Help Cancel

Case # [ro2009-00773]

1 Case #
2 Address
3 Name
4 Parcel #
5 Project Name
6 Master #

Case #	Type	Status
ROF2009-00773	ROF	ISS

Roofing -- ROF2009-00773 Status ISS

Name: ELDRIDGE TIMOTHY H Updated: 5/21/2009 MVU
Address: 1 MONROE AVE LEHIGH ACRES 33936 Unit:
Mstr: [] Proj: LEHIGH ACRES
Re-roof shingle roof.

Staff Contact: [] Ref. #: []
Commercial/Residential: Residential Single Family: No
Type of Roof: Fiberglass Shingle
Shingle to Tile: [] Tear Off: Yes
Roof Pitch Agreement: [] Valuation: []

Dates
Received: 5/21/2009
Target: []
Issued: 5/22/2009
Expires: 11/22/2009
Finalized: []

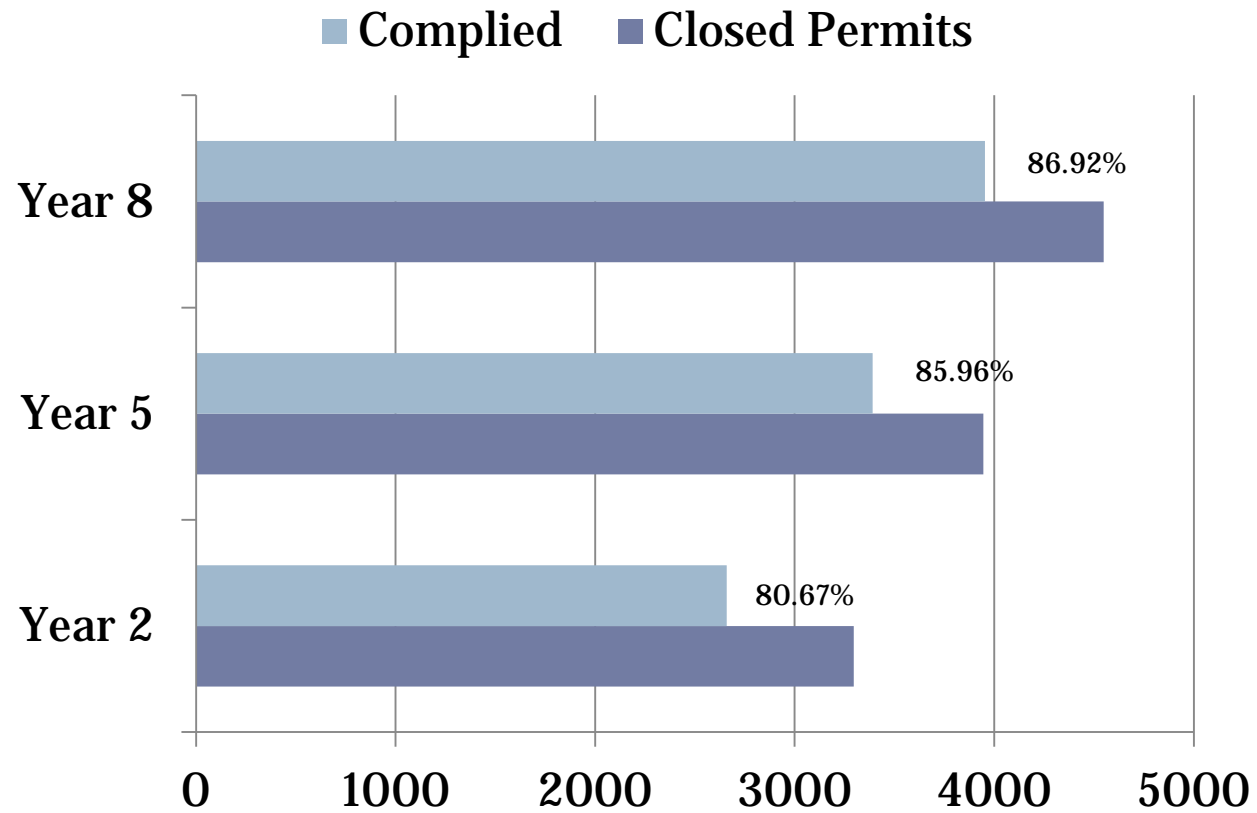
Activity for ROF2009-00773

Description	Menu Code	Date1	Date2	Date3	Assigned To	Disp	Done By	Note
Insp Roof - 501 Roof CH0870		6/10/2009	6/11/2009	6/11/2009	R502	DONE	TWS	
Application Received	AA0010	5/21/2009		5/21/2009		DONE	MVU	
Complex w/SW origin	AA0145	5/21/2009		6/11/2009		YES	KEK	
Solid Waste Prepermit	AA0145	5/21/2009		6/11/2009		DONE	KEK	6/11/2009
Application Ready # R	AA0150			5/21/2009		DONE	MVU	
Override - Activity	H0M100			5/22/2009			MVU	
Web Permit Issued (F)	AA0050			5/22/2009		DONE	MVU	
Hurricane Mitigation A	H0890	6/10/2009		6/10/2009		DONE	AMB	receh

View/Add Activities

Start | Tidemark Advantage [Ka... | Inbox - Microsoft Outlook | Tidemark Printscreen - M... | Lee County Property Ap... | Lee Property Appraiser ... | 11:37 AM

Permittee Compliance



C & D Implementation Issues



- **Miscommunication**
 - Individual pulling the permit often had nothing to do with the project
- **Comingled Facility Availability**
 - Only one facility at start up
 - Four today including LCSW
- **Tracking Information (weight tickets)**
- **Fear of Forms**

Keys to Success



- Staff commitment, dedication, hours, etc.
- Franchise Hauler cooperation
- Construction slowdown
- Permits department contributions
- Commercial sector willingness

Looking Forward



- **Economic Recovery**
 - New businesses
 - Increased construction and permits
- **Integration of field staff with commercial recycling duties**
- **Ongoing education**
- **Refine compliance for businesses**



Florida Department of Environmental Protection

Waste Reduction/Recycling

Paul Hurst

**Community Beautification and Waste Management
City of Tallahassee**



City of Tallahassee

Your Own UtilitiesSM



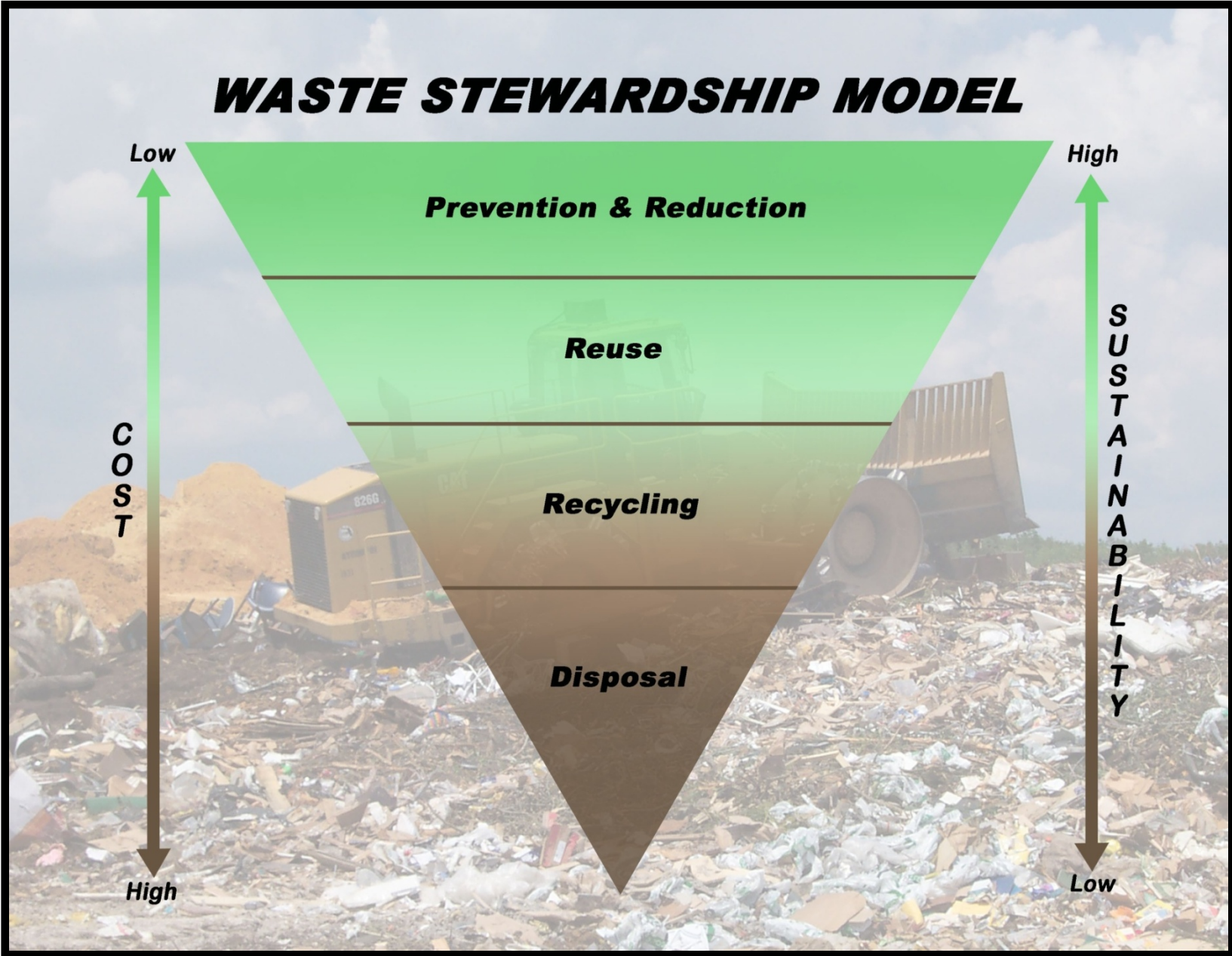
Paul Hurst
Recycle Coordinator

Commercial Recycling?

I'm glad you asked me...

- Why do we do it?
- Who do we do it with?
- Where do we do it?
- How do we do it?
- Where does it go ?
- What else do we do?

Why we do it



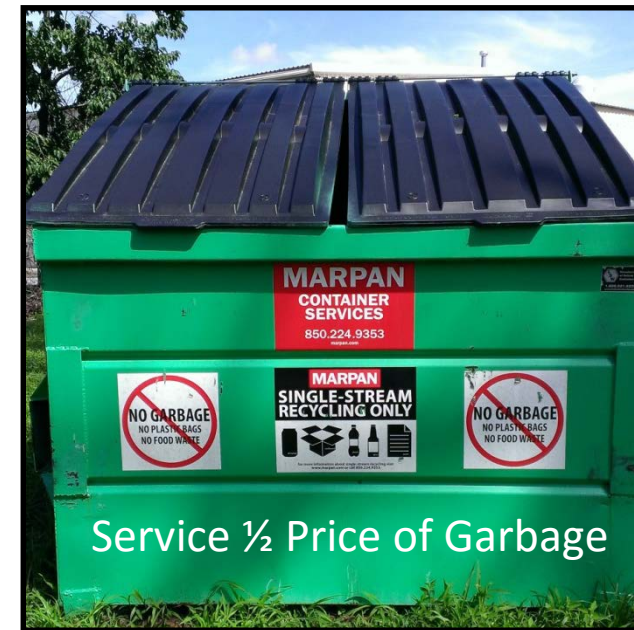
Who we do it with



Where do we do it



How we do it





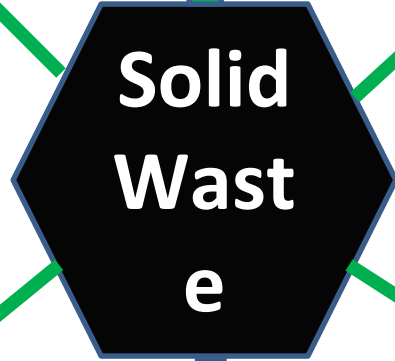
Fibers Containers

Bulk Waste



E-scrap

Recycling



Solid Waste



Yard Trash

Reuse





**Earth Day outreach
at the State Capitol
Building**



Community Garden Projects

City of Tallahassee
Your Own UtilitiesSM





City of Tallahassee
Your Own UtilitiesSM



Twice Annual “Cash for Trash” Community Bulky Items and Recycle Collection events



Single Stream Commercial Recycling



Class III Commercial Recycling





Florida Department of Environmental Protection

Waste Reduction/Recycling

John Zapata

**SVP/Distribution
Rooms To Go**





Commercial Recycling

An environmental responsibility that we all share.

And Very Smart Step to Reduce or
Eliminate your waste handling expense.

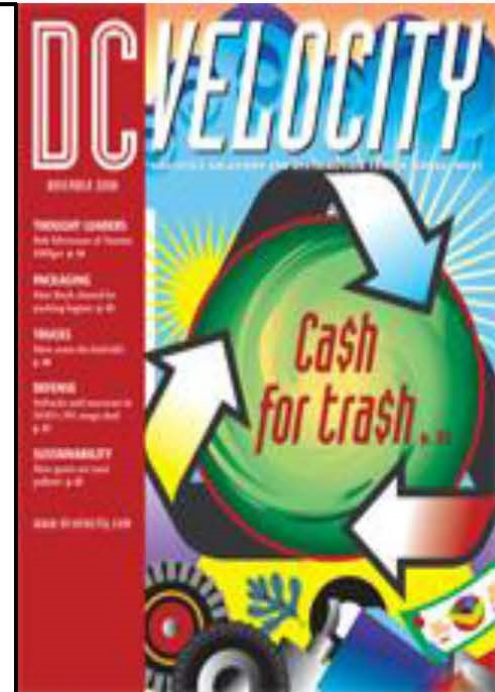
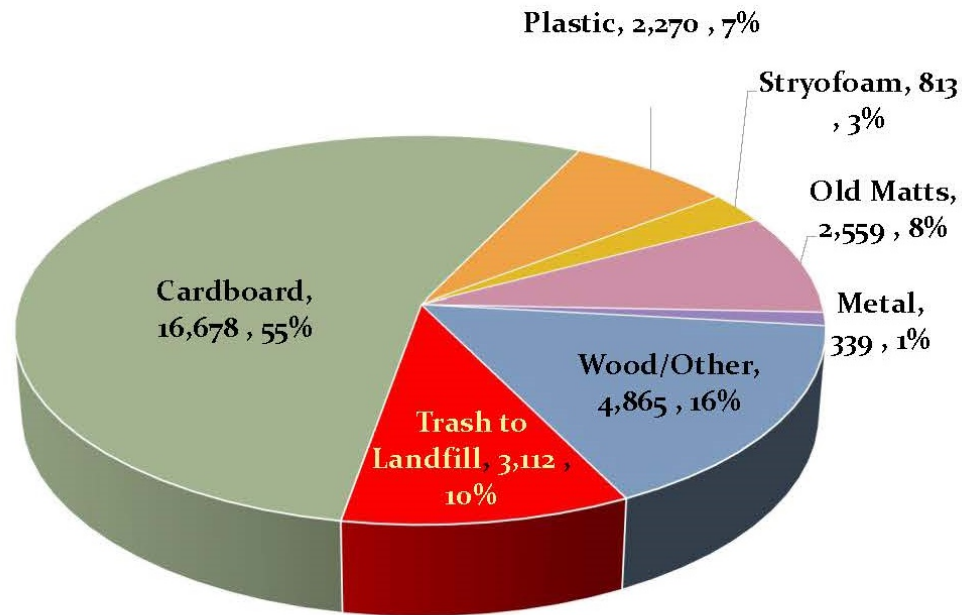
Asset Type	Amount
Cardboard	\$ 1,937,528
Plastic	\$ 615,217
Stryofoam	\$ 541,738
Old Matts	\$ 97,200
Metal	\$ 50,861
Wood/Other	\$ -



Asset Type	Amount
Cardboard	16,678
Plastic	2,270
Stryofoam	813
Old Matts	2,559
Metal	339
Wood/Other	4,865
Trash to Land	3,112

ROOMS TO GO

Waste Stream Tonnage
30,636 tons - 2015



A Perspective on our total Recycle picture

Over the last 20 years, RTG has saved 225,000 tons of solid waste from ever hitting a landfill. That much waste is the equivalent of 5,000 boxcars full of trash stretching out over a 50 mile long train.

That “trash train” would stretch from **Lakeland to Orlando**. Thousands of trees, thousands of gal's of oil, and tens of thousands of cubic yards of landfill have been saved in the environment.



RTG History of recycling

It takes on a life of its own!

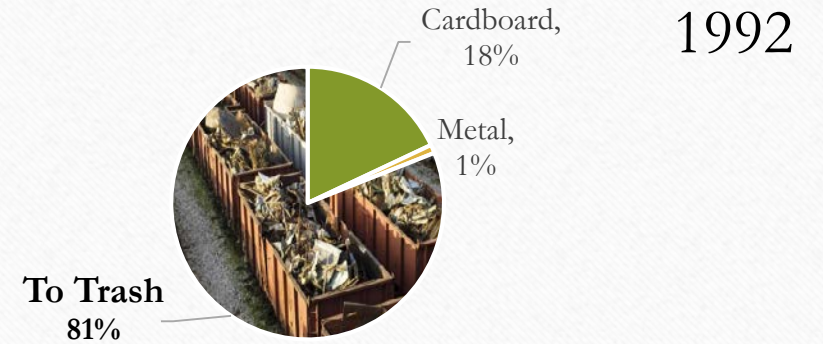
How it started v Today

In 1992 we began to sort out the cardboard for recycling to save a few bucks on our dumpster fees.

In addition it was nice to see a dozen dumpsters each week - **not** going to the landfills.

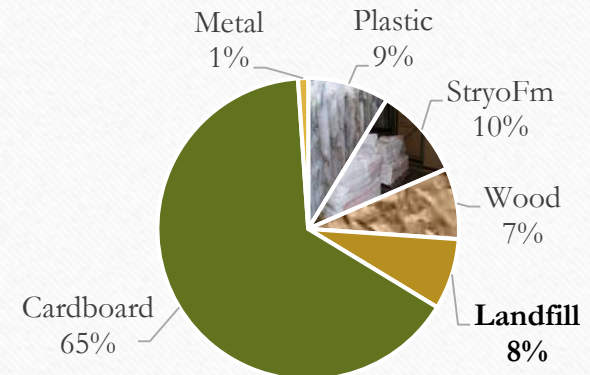
Our waste stream picture looked much different in 1992 than it does today.

Waste Stream



■ Cardboard ■ Metal ■ To Trash

Waste Stream



■ Plastic ■ StryoFm ■ Wood
■ Landfill ■ Cardboard ■ Metal

What made the RTG program happen?

- We knew that getting rid of our waste stream was an expense. We would always have to pay people to handle the waste, and that would not change as long as we were in business.
- The thought then was – is there a way to recover any of the expense to handle our waste stream, since the process was unavoidable in business. In addition, we wanted to find a way to divert some of our large waste stream from the landfills.
- There was a way, it was to Recycle! Over the years we not only recovered our costs to handle our waste, we actually profit from it, while having a very positive impact on the environment.
- All commercial companies have to handle waste, and recycling is a proven way to reduce or eliminate the expense, while upholding an important responsibility in the community.

Cardboard, Plastic, Styrofoam, Wood, Metal, Fabrics

As a result of our cardboard success, we began to think about how much overall trash we could eliminate from landfills.

Our mind-set changed from trying to save a few bucks on dumpster fees – to what we could actually accomplish to make a difference both in our processes and in the environment.

Not every one of our efforts is profitable, but they all do significantly reduce the amount of trash we have to send to landfills.

As we grew our recycle items, we found that process changes made sense and that those process changes usually led to better systems and higher productivity. Many of our operations processes became more organized as a better inter-connected unit.



Honestly, we had no idea...

If you look at where we started, *to save a few bucks on dumpster expense*, and consider the journey so far..

- Recycling – Stores, DC's, Cust/delv's
- Fleet metrics to reduce fuel
- Design/Build & retro leaner buildings
- Energy reduction within stores & DC's

One of the best things we ever did, as a company, was to begin our recycling program.



Used to go to Landfill



Now is recycled

In 2013 the Florida DEP recognized RTG for its outstanding performance in recycling.

RTG has many ongoing sustainable efforts, of which recycling plays a major role. Our associates are proud to be a part of the effort that keeps tons of waste out of landfills.

Cardboard, Styrofoam, Plastic, Wood and Metal are the products we recycle from our waste stream. Our recyclables are generated from our Distribution Centers, home deliveries, and our Stores.

We are especially proud of our Styrofoam and plastic recovery as these items take almost a thousand years to break down in a landfill as well as causing major health issues for many birds and fish.



Recycle – It's always a good idea!

Like all new things, there is always a fear of the unknown or taking a new risk. However, research bears out that approaching a recycle attempt has proven to be successful in most cases.

In the *RILA 2013 Sustainability Report*, the evidence shows that retailers have achieved significant business benefits from their sustainability efforts.

There will be unknown, unknown's...

“Our research shows that sustainability is a mother lode of organizational and technological innovations that yield both bottom-line and top-line results”

Source: Harvard Business Review – Sept 2009

We found this statement to be very accurate. The process changes we have made over time, due to our recycling efforts, have both streamlined our operations and lowered waste handling expense.

Successful Programs have common ingredients:

1. *A genuine desire* to be ***environmentally responsible*** as a company.

2. *Executive engagement.* Top executives must support this effort and be willing to invest real dollars.
3. *Investment in people and systems.* The company must be willing to invest in an effective leader of people and infrastructure - to insure a success.
4. *Measurement and Tracking.* “What gets measured well, get’s managed well”. Set metrics, establish baselines, and follow-up.

Unknowns – Negatives – Positives

Employee pride – Awards – Productivity – Process reviews

The one take-away from this presentation should be:

Adapting and implementing a recycle program is just the start of a new, positive, ongoing change for a company.

Many positive things will surface that you could just not foresee in your initial planning, and those items will help your company in many different ways.





We are proud to support
**RECYCLE FLORIDA
TODAY**



ROOMS TO GO 



Questions

- Please use the “Questions” tab in in the attendee panel to submit a question
- Use the “Raise Hand” option to be identified for follow up



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Thank You !





Florida Department of Environmental Protection

Waste Reduction/Recycling

Make Recycling Your Business

Commercial Recycling Education

October 11, 2016

