

SOLID WASTE MASTER PLAN UPDATE AUGUST 2018

City of Key West

Utilities Department Solid Waste Division

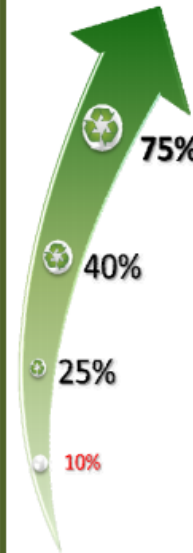
August 2018

SOLID WASTE MASTER PLAN REPORT 2018

- Solid Waste Master Plan: Establishing a Pathway to Zero Waste!
 - Adopted by Commission: August 2012
- State of Florida's 2020 75% solid waste reduction goals
 - Florida Statue 403.706

Recommended Solid Waste Policy Statement

To develop an environmentally and economically sustainable solid waste management system that maximizes waste diversion and minimizes waste disposal, the City Commission of Key West hereby adopts the following policies and directs staff to implement these policies:



1. Hire a full-time Recycling Program Manager to provide the technical, educational, and oversight support necessary to implement effective recycling programs.
2. Adopt a tiered recycling goal starting at 25%, followed by 40%, and then 75%.
3. Establish a program to collect and process yard waste separate from other solid waste.
4. Receive compensation for City recyclables that are resources having value.
5. Become a Green City through programs that lead by example, including waste reduction, reuse, recycling, and environmentally preferable procurement (EPP) programs.
6. Establish public-private partnerships with companies that will help carry out these policies.
7. Provide periodic updates to City Commissioners and the public regarding the status of activities and accomplishments toward meeting these policies.

2012 SOLID WASTE MASTER PLAN RECOMMENDED GOALS

Program Recommendations	Residential	Commercial
Phase 1: 25% (1-2 years)	<ul style="list-style-type: none"> • Recycling Carts • Yard waste; 1-1-1 • Multi-family • Outreach & education 	<ul style="list-style-type: none"> • Recycling collection \$ less than SW collection \$ • All recyclables • Green the City • Outreach
Phase 2: 40% (3-5 years)	<ul style="list-style-type: none"> • Organics • Pay-As-You-Throw/incentive program 	<ul style="list-style-type: none"> • Toolkit & education • Technical assistance • Incentive program • Organics
Phase 3: 75% (5-10 years)	<ul style="list-style-type: none"> • Mixed waste processing • Enforcement 	<ul style="list-style-type: none"> • Mixed waste processing • Mandates & enforcement

2012 SOLID WASTE MASTER PLAN RECOMMENDATIONS AND ACCOMPLISHMENTS SINCE 2015

Phase 1 Accomplishments

- Single stream collection with expanded materials
- Collection / processing yard waste
- 1-1-1
- Multifamily units recycling
- Outreach and education
- Lowered Commercial Recycling costs
- Monitor commercial recycling

Phase 2 Accomplishments

- * Business recycling program toolkit



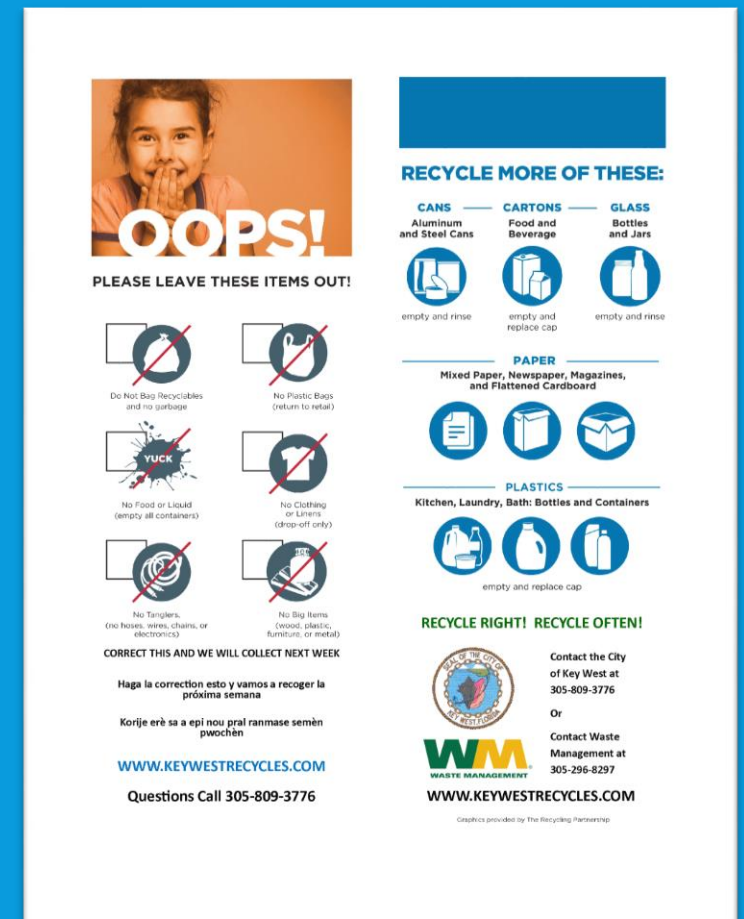
OTHER 2012 SOLID WASTE MASTER PLAN RECOMMENDATIONS ACCOMPLISHED SINCE 2015

- Full time Recycling Program Manager, July 2015
- Mandatory residential recycling
- Recycling collection at all City facilities and increased public outreach
- Special events recycling plans
- Special events worksheet
- One source for special events containers, signs and collection
- Continuing to work with Fantasy Fest organizers to improve recycling
- Key West Recycles branding with logos and slogan
- Monthly collection of Household Hazardous Chemicals and Electronics



STAFF PLANS FOR REACHING RECOMMENDED GOALS ~ RESIDENTIAL ~

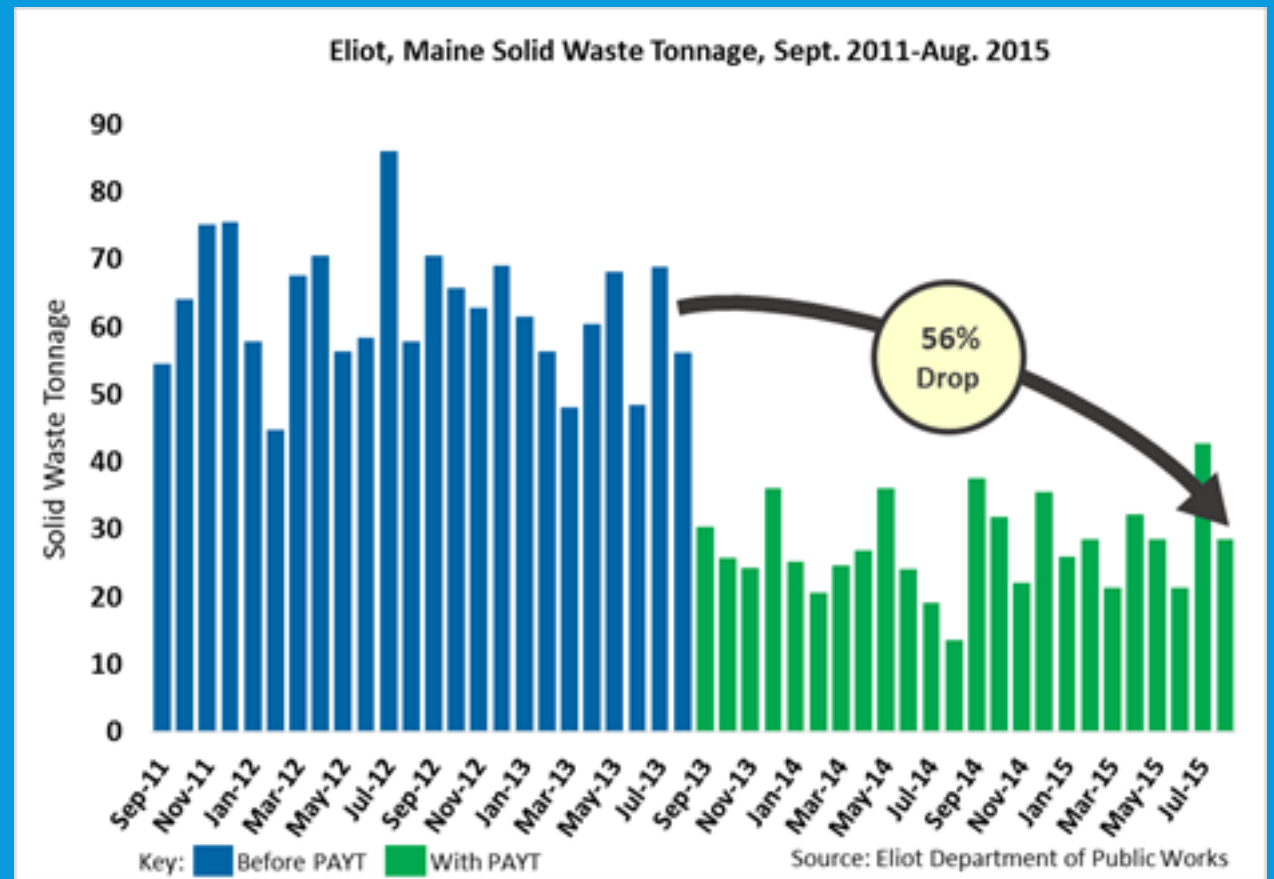
1. Enforce mandatory recycling
 - 1st Year: Education / Noticing
 - 2nd Year: Enforcement / Fines
2. Don't accept yard waste in plastic bags.
3. *Design compost collection
 - RFP for pricing
 - Full services vs opt in service



STAFF PLANS FOR REACHING RECOMMENDED GOALS ~ RESIDENTIAL ~

4. Design Pay As You Throw Program

- A) Run cost vs risk models.
- B) Offer Different sizes of Carts.
- C) Design tracking / payment system
- D) Opportunities / Synergies: Compost!



STAFF PLANS FOR REACHING RECOMMENDED GOALS ~ COMMERCIAL ~

1. *7 Days a week recycling collection
2. Ordinance requiring Construction and Demolition Debris recycling
3. Require or offer separate yard waste collection for commercial
4. *Ban single use plastics
5. *Add compost collection

STAFF PLANS FOR REACHING RECOMMENDED GOALS ~ COMMERCIAL ~

6. *Reduce or eliminate glass or find a glass reuse

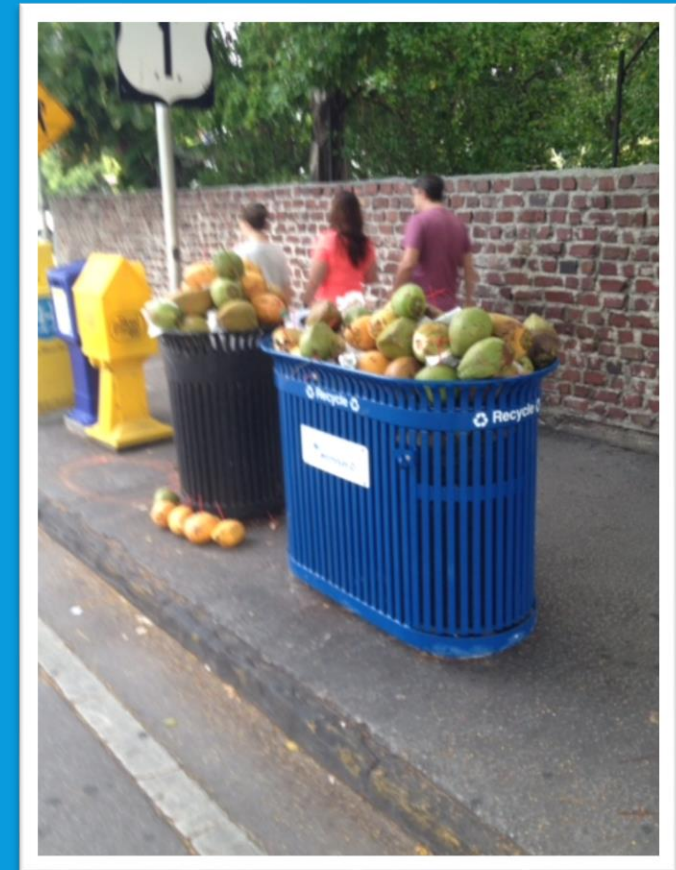
Some suggestions:

- Roads / sidewalks
- Recycled glass mulch
- Canals / channel filling
- Preferential procurement



STAFF PLANS FOR REACHING RECOMMENDED GOALS ~ STREET RECYCLING ~

1. Improved street can signage/messaging
2. Manage street vendors
 - No single use plastic straws, cutlery, or bags
 - No polystyrene
 - Compostable or recyclable materials only
 - Categorize street vendors



STAFF PLANS FOR REACHING RECOMMENDED GOALS ~ SPECIAL EVENTS ~

1. Manage materials used at special events
 - No single use plastic straws, cutlery, or bags
 - No polystyrene
 - Compostable or recyclable materials only
2. Implement special event application
 - Citywide updates for safety, transportation and recycling
 - No single use plastic straws, plastic cutlery, plastic bags, polystyrene
 - Survey vendors

RESIDENTIAL & COMMERCIAL TIMELINE

2018

- Manage plastic straws, plastic cutlery, plastic bags and polystyrene on City property, City permitted special events and with City vendors
- Implement new special event application

2019

- Survey residential routes before pickup
- Pending Appeal: Ban single use plastic straws, plastic cutlery, plastic bags and polystyrene in the City of Key West
- Green City Certification (Gold)
- Green business program

2019 (continued)

- Mandate Commercial Recycling
- Pursue a mixed waste facility in Monroe County

2020

- Require commercial C&D waste to be recycled
- Enforce single use plastic straws, plastic cutlery, plastic bags and polystyrene ban
- Reduce, reuse or eliminate commercial glass

2021

- Design Pay-As-You-Throw system
- Implement commercial and residential compost collection as part of PAYT option

NEXT STEPS

Lead By Example: Ordinance requiring City properties, leases, vendors and City-approved Special Events to manage certain single use plastics:

Plastic Straws, Plastic Bags, Plastic Cutlery, Polystyrene

QUESTIONS / SUGGESTIONS?