



Florida Department of Environmental Protection

Florida Recycling Overview

**Karen Moore
January 30, 2018**





Legislation – www.leg.state.fl.us

- SB 1308/ HB 1149 – Addressing contamination of residential recyclable material
- SB 1326/ HB 879 – Revising the definition of recovered materials to include certain wood, asphalt and concrete materials
- SB 1856 – Relating to beverage container deposits
- SB 348 – Relating to disposable plastic bags
- SB 1014/ HB 6039 – Removing the state preemption on the regulation of certain auxiliary containers, wrappings and disposable plastic bags



Recycling Report

<https://floridadep.gov/waste/waste-reduction/content/recycling>



Browser address bar: <https://floridadep.gov/waste/waste-reduction/> Recycling | Florida Departm... X



Recycling

Home » Divisions » Division of Waste Management » Waste Reduction » Recycling

Waste Reduction Quick Links

District and Business Support Program

Petroleum Restoration Program

Permitting and Compliance Assistance Program

Waste Cleanup Program

Highlights

DEP Business Portal

OCULUS

Contamination Locator Map (CLM)

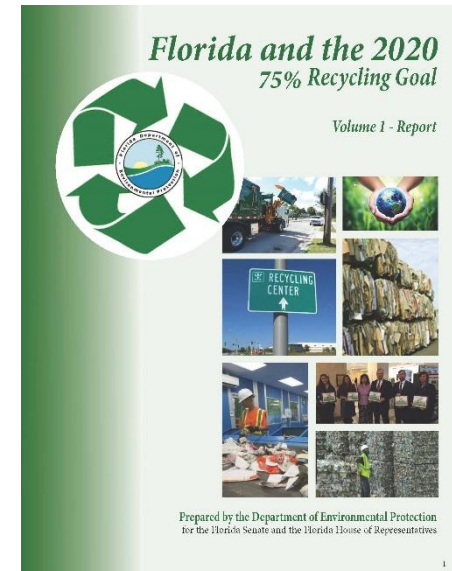
On its way to a 75 percent recycling rate by 2020, Florida's recycling rate in 2015 was 54 percent, meeting the 50 percent target rate specified in Florida statute. Twenty counties are leading the way with 2015 recycling rates reaching and exceeding the 50 percent Interim Recycling Goal.

In 2015, [20 counties](#) have already achieved that 50 percent rate. As of Jan. 1, 2015, the department also has recognized over 30 businesses and other organizations with a recycling rate of at least 50 percent. The challenge is for the recycling efforts of other counties, businesses and governmental agencies to match or exceed those that are leading the way. Each of us and our families can contribute by continuing to recycle as much as possible from our homes.

With strong recycling programs and strong participation from businesses, governmental agencies, organizations, families and individuals, we can get Florida to 75 percent by 2020. Contact your [county recycling coordinators](#) to see how you, your family, your business and your organization can help.

Report to the Legislature

- [Florida and the 2020 75% Recycling Goal](#) - December 2017
- Volume 2 of full Appendices coming soon.





Background

- Why was the recycling report written?
 - Section 403.706, Florida Statutes
 - Established the 75% Recycling Goal for municipal solid waste by 2020
 - Directed all counties to report their recycling progress annually
 - Established interim recycling goals: 40% by 2012, 50% by 2014, 60% by 2016 and 70% by 2018
 - Directed counties, over 100,000 population, to develop a plan if the county does not achieve the interim recycling goal
 - Directed the state to identify additional programs or statutory changes if the interim recycling goals are not met, i.e., *Florida and the 2020 75% Recycling Report*



Florida Department of Environmental Protection





Development of the Recycling Report

- DEP received stakeholder input from:
 - Waste and Recycling Businesses
 - Non-Governmental Organizations
 - Colleges and Universities
 - Local Governments
 - Citizens
- DEP has hosted or participated in more than 30 statewide meetings, webinars and conference calls over the last two years



Results

Florida and the 2020 75% Recycling Goal

A Mid-Term Status Report



Prepared by the Department of Environmental Protection
for the Florida Senate and the Florida House of Representatives

- The report looks at options and recommendations provided by recycling industry stakeholders
 - Summary of Options
 - Single stream
 - Markets
 - C&D Recycling
 - Organics Recycling
 - Commercial Recycling
 - Education
 - Sustainable Materials Management



Summary of Options

Categories of Options	Statutory Changes				Additional Programs
	Statutory Changes	Policy Changes	Regulatory	Local Level Decisions	
Single Stream Recycling					
Create a Recycling Equipment Grants Program	X				X
Create a Recycling Education Grants Program	X				X
DEO to increase recycling market development	X				X
Research Projects (Glass)					X
Markets					
Identify specific goals/milestones for recycling market development in the state's economic development agencies	X				
Implement program to increase procurement in state/local government and colleges & universities				X	X
Fund new technology grant or loan programs for targeted materials	X				X
Partner with AST to establish a state term contract for end of life management of electronics		X			
Expand resources of RBAC to bring new recycling industries to FL	X	X			
Offer tax incentives for recycling businesses to relocate to FL	X				X
Engage with state personnel appointed to serve as economic development liaisons (section 288.021, F.S.)		X			
C&D Debris Recycling					
Require registration of concrete processors	X		X		
Implement a statewide landfill ban for specific materials.	X		X		



Summary of Options

Categories of Options	Statutory Changes				Additional Programs
	Statutory Changes	Policy Changes	Regulatory	Local Level Decisions	
Remove “economically feasible” language from Section, 403.707(9)(g), F.S.	X		X		
Mandate C&D debris processing	X		X	X	
Create sales tax exemption for purchasing recycled C&D materials	X				X
Extend sales tax exemptions (section 403.715, F.S.) to the private sector for resource recovery equipment	X		X		
Create a disposal surcharge/rebate program.	X			X	
Organics Recycling					
DACs could prepare a biennial report to DEP identifying compost markets (section 403.714(2), F.S.)	X				
All state agencies and local governments and their contractors could provide DEP with an annual report detailing the amount of compost procured	X			X	
Provide funding for DACs and DOT to fulfill the statutory requirement in section 403.714(4), F.S.	X				X
Replace the term “compost” or “composted” with “recycled organic(s)” in sections 403.714(2), (3) and (4), F.S.	X				
Create legislation to protect food donor liability and standardize labeling	X				



Summary of Options

Categories of Options	Statutory Changes				Additional Programs
	Statutory Changes	Policy Changes	Regulatory	Local Level Decisions	
Provide tax incentives, such as tax deductions or credits, for farms and businesses that make food donations	X				X
Provide economic incentives, such as low interest loans, tax deductions or credits, for composting equipment to expand composting infrastructure and increase composting capacity	X				X
Create an Organics Diversion Grants Program	X				X
Provide funding for FORCE to become more than a clearinghouse website for organics diversion and recycling		X			X
Provide funding to the Florida Department of Health (DOH), in consultation with DEP for the development of a statewide education and outreach campaign on food donation and liability to be promoted by health inspectors when working with restaurants and hotels throughout Florida.	X				X
Provide funding or grants to county extension offices or local governments to develop and provide a community composting training program	X			X	X
Provide funding for DEP, in cooperation with Florida Universities, for the development of a K-12 Composting Curriculum emphasizing the implementation of composting from cafeteria scraps (School Cafeteria Discards Assessment Project - SCrAP Program), Sharing Table and producing less food waste by implementing waste reduction and recycling practices	X			X	X



Summary of Options

Categories of Options	Statutory Changes				Additional Programs
	Statutory Changes	Policy Changes	Regulatory	Local Level Decisions	
Require the DEO and Enterprise Florida, in cooperation with DEP, to support recycling market development and offer incentives for corporations using recycled material, such as compost, in the products that are being sold in Florida	X				X
Research and evaluate the environmental and financial efficacy of the collection of organics at the curbside for recycling		X			X
Research the requirement to use organic compost in Brownfield Remediation/Redevelopment, new construction, landscaping, spring watersheds or other sensitive ecosystems		X			X
Evaluate and determine the composting capacity and collection and processing infrastructure needed in order to expand the composting markets in Florida		X			X
Research the idea of moving from a mass based recycling goal of 75% by 2020 to a markets specific goal, such as a food diversion goal or an organics recycling goal		X			X
Evaluate the effectiveness of mandatory recycling or a ban on disposal of commercial organic wastes by businesses and institutions that dispose of a large amount (to be determined) of organic waste		X			X



Summary of Options

Categories of Options	Statutory Changes				Additional Programs
	Statutory Changes	Policy Changes	Regulatory	Local Level Decisions	
Commercial Recycling					
Mandate commercial recycling	X			X	
Create a Recycling Equipment Grants Program that allows local governments to purchase infrastructure for initiation or expansion of commercial recycling efforts	X				X
Education and Outreach					
Create a Recycling Education Grants Program that supports the continued efforts of local governments to enhance education about recycling and contamination to their residents	X				X
Additional Programs and Statutory Changes					
Amend Section 403.706(2)(a), F.S., to also apply the recycling goal to cities with a population greater than 50,000.	X				
Shift from a weight based recycling goal towards a sustainable materials management focus.	X				



Continuation of DEP Efforts

- Evaluating the implications of shifting from a weight-based recycling goal to sustainable materials management processes.
- Researching the concept of moving from a weight-based recycling goal of 75% by 2020, to market specific goals such as a food diversion goal or an organics recycling goal.
- Engaging Florida's state universities and the Florida Department of Education to review potential K-12 curriculum programs emphasizing waste reduction and recycling practices.
- Continuing to work with state agencies to identify recycling/cost saving measures specific to their operations. For example, exploring opportunities to reduce and recycle food waste within the Florida Department of Corrections or expanding the use of recycled glass as an aggregate replacement in Florida Department of Transportation projects.
- Collaborating with the Hinkley Center for Solid and Hazardous Waste Management to analyze the ongoing recycling of materials to determine areas where assistance is in greatest need.
- Providing counties not achieving the 2016 interim recycling goal with assistance in analyzing, planning and executing opportunities to increase recycling.



Sustainable Materials Management (SMM)

- SMM is a systematic approach to using and reusing materials more productively over their life cycles.
- For the state to reach the weight-based 75% recycling goal would require a multi-strategy approach to capture and recycle a larger portion of the waste stream, which would involve funding and statutory mandates, as well as building additional Waste to Energy facilities that are costly to build.
- A shift toward sustainable materials management would refocus the goal to reduce the life cycle environmental impacts of materials.
- SMM provides a goal that is focused on the environmental attributes that are most important to protecting Florida's environment, society and economy.



Conclusions

- Recycling in Florida has changed vastly over the last 10 years. Many of the challenges have occurred due to changes in collection, shifts in the recycling markets and new and lighter weight packaging.
- Florida's recycling rate continued to increase to 56% in 2016, although it did not achieve the 2016 interim recycling goal of 60%.
- Florida recycling industry has been successful in continuing to raise the recycling rate since the inception of the current goal in 2012. However, without significant changes to the current approach, Florida's recycling rate will likely fall short of the 2020 goal of 75%.
- There is a developing consensus in other states and at the federal level that suggest using a weight-based goal may not result in efficient or effective recycling; rather, incorporation of source reduction and sustainable materials management concepts into a comprehensive statewide recycling program may be needed.



DEP Efforts

“Rethink. Reset. Recycle.” education campaign in partnership with material recycling facilities across the state to address the need to educate residents on how to reduce contamination in single stream curbside recycling.





FloridaRecycles.org

It's time to **RETHINK** what we
RECYCLE and **RESET** our behavior





Materials for Download



Style Guidelines

Download



Scaleable Web Banners

Download



Social Media Kit

Download



Fact Sheet

Download



Rack Card

Download



Utility Insert

Download



Print Materials

Florida has a curbside recycling problem.



Floridians are contaminating curbside recycling bins with materials that are not meant to be there — mainly plastic bags; tangles, like cords and hoses; and clothing.

Let's **RETHINK** what we recycle and **RESET** our behavior to focus on recycling the *basics* at curbside.

Back To The Basics

Focus on recycling these items in your home curbside bin:

Aluminum
& Steel Cans



Plastic
Bottles & Jugs



Cardboard
& Paper



When in doubt
— throw it out!



Reset your recycling behavior!

By eliminating the 30% of contaminated materials in curbside recycling bins,

we could **save \$100 million** in recycling costs in one year



Problem

About **30%** of materials sent to Florida recycling facilities are not recyclable at curbside. These contaminants can clog machines and shut down operations of a processing facility or ruin full loads of "good" recyclables.



Plastic bags, tangles, and clothing are big contributors to contamination problems. Popular packaging materials like Styrofoam peanuts and containers, plastic bubblewrap and thin plastics also create processing problems.

Solution

Stick to the basics:

- Recycle...
 - > aluminum and steel cans
 - > plastic bottles and jugs
 - > paper and cardboard

When in doubt, throw it out — don't risk contaminating the load of "good" recyclables.





Web Banners





Social Media

- **Facebook:** Florida Department of Environmental Protection
- **Twitter:** @FLDEPNews



Florida DEP News

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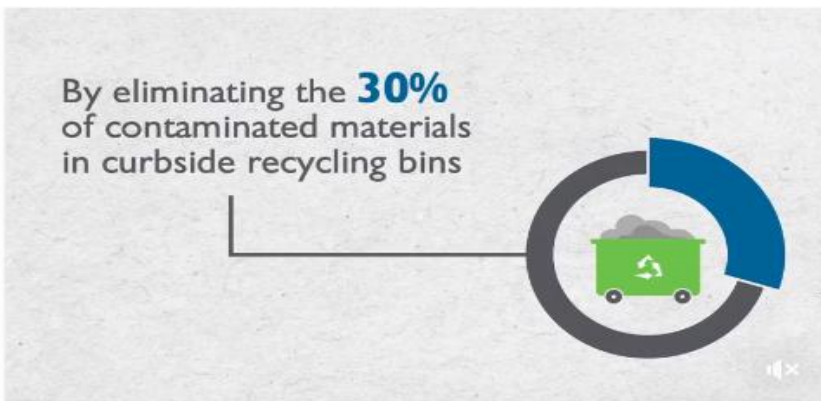
#FLrecycles On Florida Recycles Day, DEP announced a collaborative statewide recycling campaign – Rethink.Reset.Recycle. - goo.gl/TgSVgC. Follow our recycling tips throughout the month to help make your holidays greener!



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Published by Terra Madre [?] · November 22 at 3:00pm · 🌐

When it comes to recycling, stick to the basics! Learn more at www.floridarecycles.org



1:49 PM - 1 Dec 2017

3 Retweets 4 Likes





Next Steps for the Ed Campaign

- Evaluate responses from survey
- Determine if a pattern of county specific issues occurs which we can solve with across the board measures
- Develop transitional and complimentary templates for counties to adopt which incorporate existing campaigns
- Identify counties requiring DEP to provide assistance in generating specific content for campaign



Thank You

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Waste Registration and Recycling Program

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