



Florida Department of Environmental Protection

Recycling

State of Recycling in FL

By: Karen Moore
Recycling Administrator

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Recycling Goals

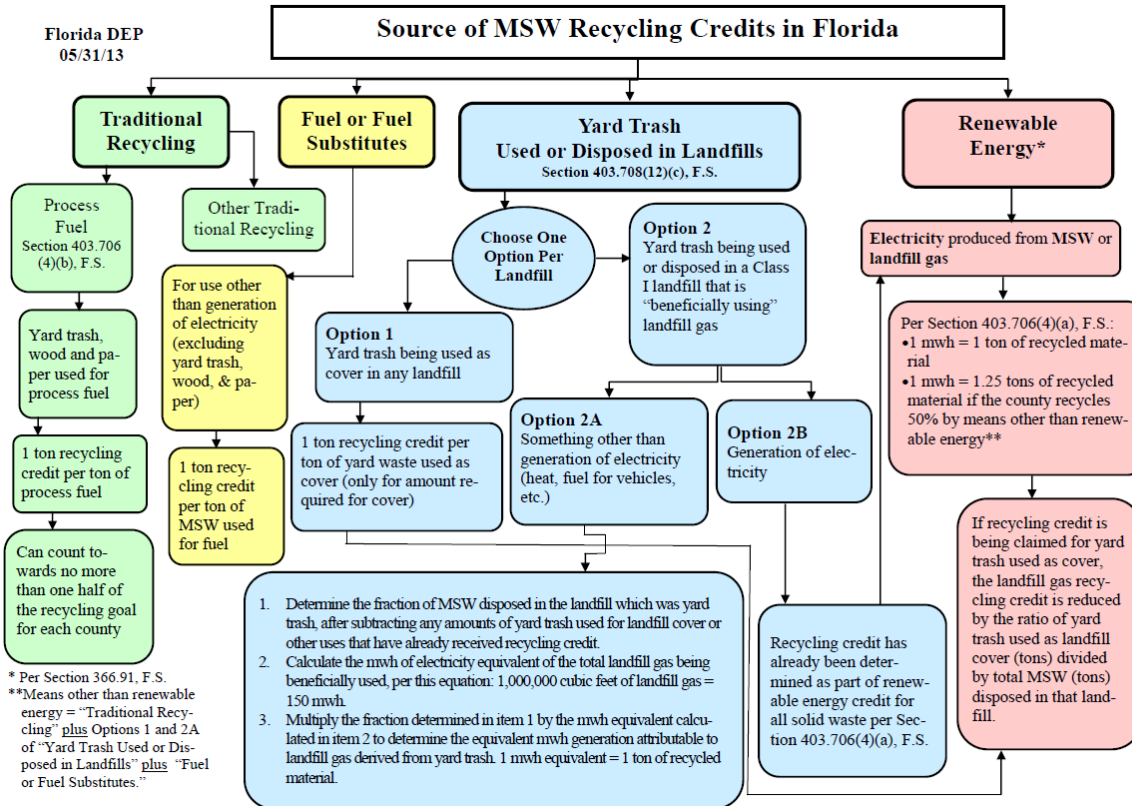
50% by 2015
60% by 2017
70% by 2019
75% by 2020

- 403.706, F.S.
 - The Legislature set a 75% statewide recycling goal for **municipal solid waste** by 2020.
 - Municipal solid waste is generated by residential, commercial, and institutional sources. (It does not include industrial or manufacturing waste.)
 - For 2015, the threshold recycling rate is 50%. For 2016 and 2017, it increases to 60%. For 2018 and 2019, it goes to 70%. For 2020, it will be 75%.
 - The Legislature also set that same goal for all counties over 100,000 population.
 - The Legislature has directed all counties to report their recycling progress to DEP annually.



Calculating the Recycling Rate

50% by 2015
60% by 2017
70% by 2019
75% by 2020



* Per Section 366.91, F.S.
**Means other than renewable energy = "Traditional Recycling" plus Options 1 and 2A of "Yard Trash Used or Disposed in Landfills" plus "Fuel or Fuel Substitutes."

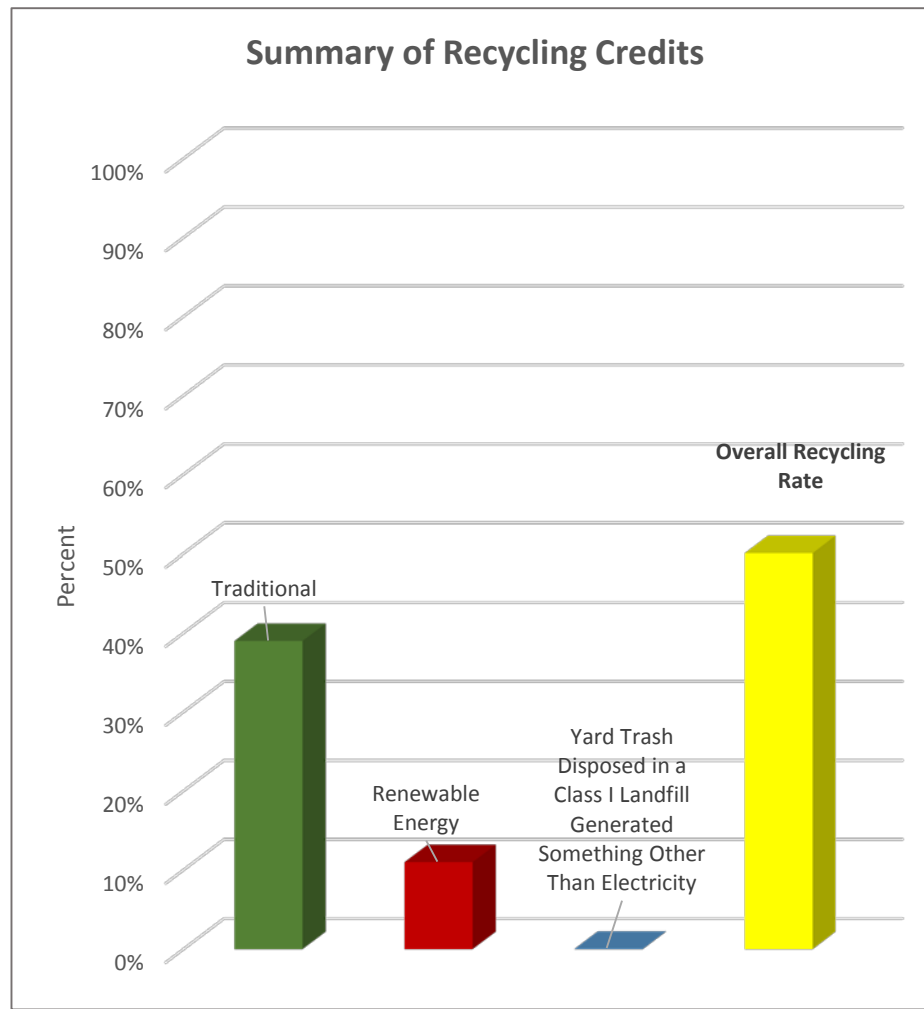
- Each ton of MSW recycled receives 1 ton recycling credit
- Each ton of MSW used as a processed fuel or fuel or fuel substitute receives 1 ton recycling credit
- Each ton of MSW used as landfill cover receives 1 ton of recycling credit
- Each MWH generated receives 1 ton recycling credit
 - If a county reaches or exceeds a 50% recycling rate by means other than renewable energy, they receive 1.25 tons per MWH generated



Florida's 2014 Recycling Rate

50% by 2015
60% by 2017
70% by 2019
75% by 2020

- The statewide **overall recycling rate**, which **includes renewable energy* recycling credits**, increased from **49% (2013) to 50% (2014)**
 - The Legislature set an interim benchmark recycling goal of 50% for calendar year 2014 and 60% for calendar year 2016
- The statewide **traditional recycling rate**, which **excludes renewable energy recycling credits**, increased from 38% (2013) to 39% (2014)

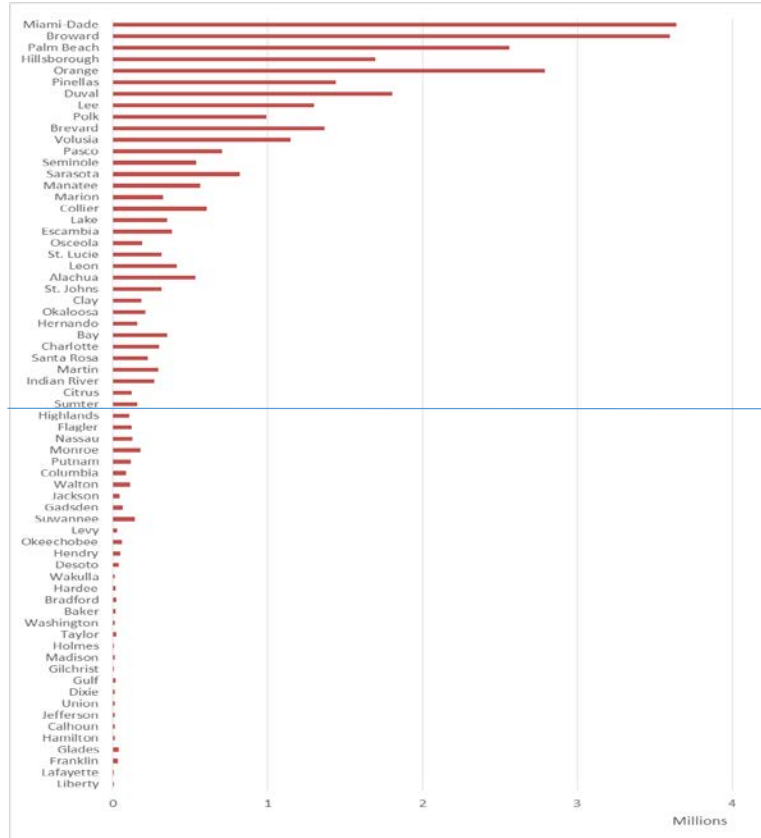


*Electricity produced from MSW or landfill gas



2014 Tons Municipal Solid Waste (by decreasing population)

50% by 2015
60% by 2017
70% by 2019
75% by 2020



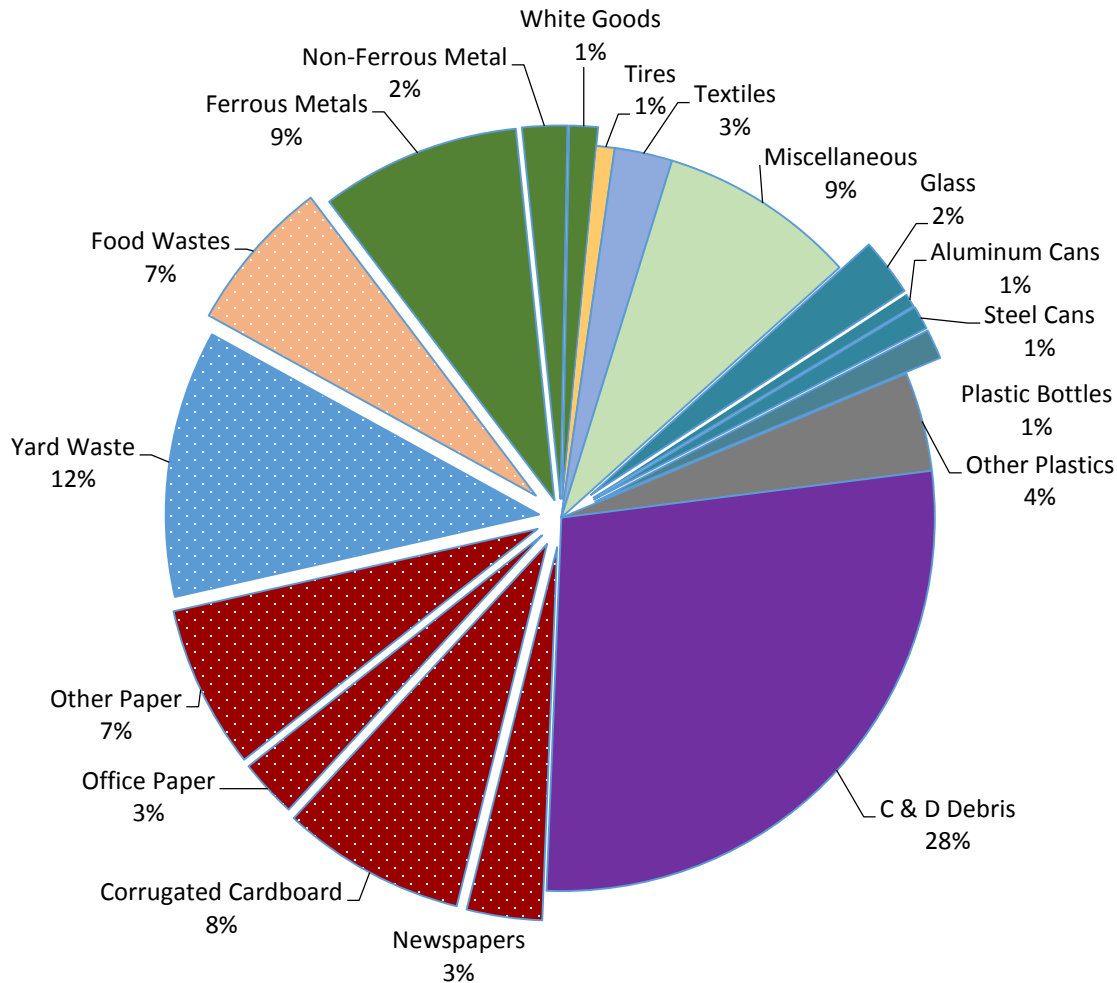
- About half of the counties (34 out of 67 total) are over 100,000 population
- Those 34 counties have 95% of the state's population and generate 95% of the state's municipal solid waste



Florida's MSW Waste Composition

50% by 2015
60% by 2017
70% by 2019
75% by 2020

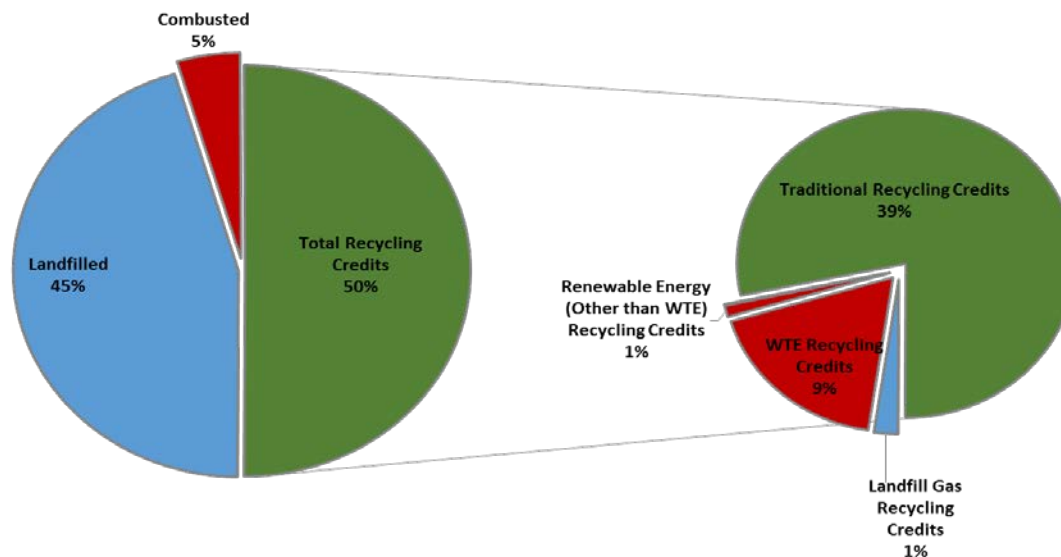
Florida Municipal Solid Waste Collected (2014) (32.2 million tons)





Waste Managed in FL (2014)

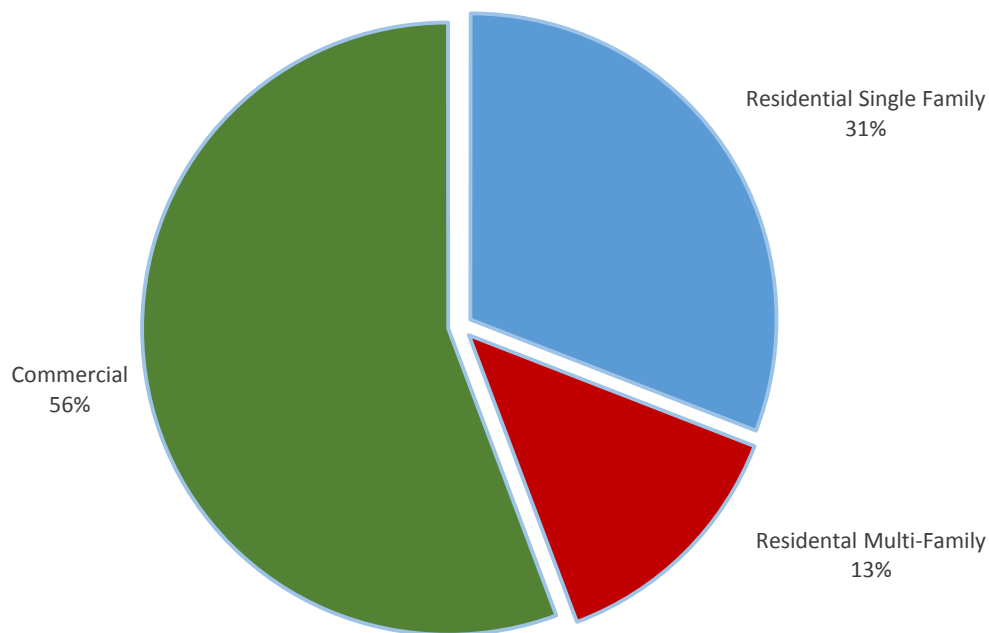
- The amount of **municipal solid waste collected** increased from 31.3 million tons to 32.2 million tons, or 3%
- Out of that amount collected, the amount **recycled** also increased, from 11.8 million tons to 12.6 million tons, or 6%





MSW Collected by Generator Type in Florida (2014)

- The **commercial sector recycling rate** increased from 51% in 2013 to 56% in 2014 (this includes renewable energy recycling credits). The **residential single family recycling rate** increased from 42% to 46%.





Waste Reduction and Recycling Programs

50% by 2015
60% by 2017
70% by 2019
75% by 2020

- Grants Management
 - Small County Consolidated Waste Grants
 - Household Hazardous Waste Grants
 - SWIX - Southern Waste Information Exchange
- Recycling Market Development
 - RBAC - Recycling Business Assistance Center
 - DEP Recycling Recognition Program



RBAC - Recycling Business Assistance Center

50% by 2015
60% by 2017
70% by 2019
75% by 2020

- Objective: Develop and support new markets for recycling to achieve 75% recycling goal by 2020
- Activities:
 - Maintain RBAC website and resources
 - Florida Recycling Loan Program
 - Small business loans to for profit companies
 - Florida based, <\$6m, and <100 employees
 - From \$20,000 to \$200,000 at up to 2% below Prime





Recycling Recognition Program

50% by 2015
60% by 2017
70% by 2019
75% by 2020

- Recycling Recognition Program
 - Encourage organizations and citizens to increase recycling
 - Data collection through DEP Business Recycling Tracking Tool (Re-TRAC)
- DEP's Recycling Recognition Program has focused on publicly recognizing **"outstanding" recycling efforts** from what is commonly called the **commercial sector**.
 - That sector includes businesses and institutions in both the public and private sector.
- DEP's definition of "outstanding" recycling efforts is tied to the **interim benchmark recycling goals** established by the Legislature.





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50% by 2015
60% by 2017
70% by 2019
75% by 2020

Other Programs

- Mercury
 - <http://www.dep.state.fl.us/waste/categories/mercury/>
- Household Hazardous Waste
 - <http://www.dep.state.fl.us/waste/categories/hazardous/pages/household.htm>
- Electronics
 - <http://www.dep.state.fl.us/waste/categories/electronics/default.htm>
- Pharmaceuticals – homeowner waste and take back programs
 - <http://www.dep.state.fl.us/waste/categories/medications/default.htm>
 - DEA Take Back Event, April 30th
 - http://www.deadiversion.usdoj.gov/drug_disposal/takeback/
- Batteries
 - <http://www.dep.state.fl.us/waste/categories/batteries/default.htm>
- Pesticides
 - <http://www.dep.state.fl.us/waste/categories/cleansweep-pesticides/default.htm>



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Upcoming: Electronics Webinar

50% by 2015
60% by 2017
70% by 2019
75% by 2020

SAVE THE DATE

WEBINAR

CHALLENGES AND SOLUTIONS FOR RECYCLING ELECTRONICS IN FLORIDA

The Department of Environmental Protection is partnering with the Agency for State Technology, Florida Recycling Partnership and Recycle Florida Today to host a webinar concerning the state of electronics recycling in Florida. Topics will include data destruction, how to pick a recycler, how third party certification for recyclers can affect that decision and how some counties are currently managing this waste stream.

February 26, 2016 • 9 AM

Register now!

<https://attendee.gotowebinar.com/register/9212477348469565953>



Past Webinars

50% by 2015
60% by 2017
70% by 2019
75% by 2020

http://www.dep.state.fl.us/waste/categories/recycling/default.htm

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Florida Department of Environmental Protection

Recycling

On its way to a 75% recycling rate by 2020, Florida's recycling rate in 2014 was 50%, meeting the 50% target rate specified in Florida statute. Eighteen counties are leading the way with 2014 recycling rates reaching and exceeding the 50% Interim Recycling Goal.

<http://www.dep.state.fl.us/waste/categories/recycling/default.htm>

County	Recycling Rate (%)
Lee	70%
Pasco	65%
Pinellas	63%
Henry	63%
Hillsborough	63%
Martin	62%
Collier	61%
Monroe	60%
Alachua	58%
Brevard	57%
Volusia	56%
Broward	55%
Sarasota	53%
Palm Beach	53%
Marion	53%
Leon	51%
Orange	51%
Manatee	51%
Duval	50%

(Click image to enlarge)

In 2014, eighteen counties have already achieved that 50% rate. As of January 1, 2015, the Department has also recognized 29 businesses and other organizations with a recycling rate of at least 50%. The challenge is for other counties, businesses and governmental agencies recycling efforts 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% by 2020. Contact your county recycling coordinators to see how you, your family, your business and your organization can help.

Webinar Series

Upcoming

- Challenges and Solutions for Recycling Electronics in Florida
Join us for a webinar on Feb. 26, 2016 at 9:00 AM EST
Click the registration link for more information.

Past Webinars

- Single Stream Recycling Contamination - December 16, 2015

Quick Topics

- 75% Recycling Goal
- The Recycling Recognition Program
This program was developed to encourage the commercial industry, schools, public groups and citizens to increase recycling in order to reach Florida's recycling goal of 75 percent by 2020.
- Florida DEP Business Recycling Training Tool
- Solid Waste Management in Florida

75%



Challenges for Meeting the Recycling Goals

50% by 2015
60% by 2017
70% by 2019
75% by 2020

- Challenges for Counties
 - Contract renegotiation with municipalities
 - County Recycling Programs
- Single Stream Recycling
 - Contamination
- Materials Recycling
 - Construction and Demolition Debris
 - Organics
- Commercial Recycling
- Markets



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