



# FLORIDA ORGANICS RECYCLING UPDATE

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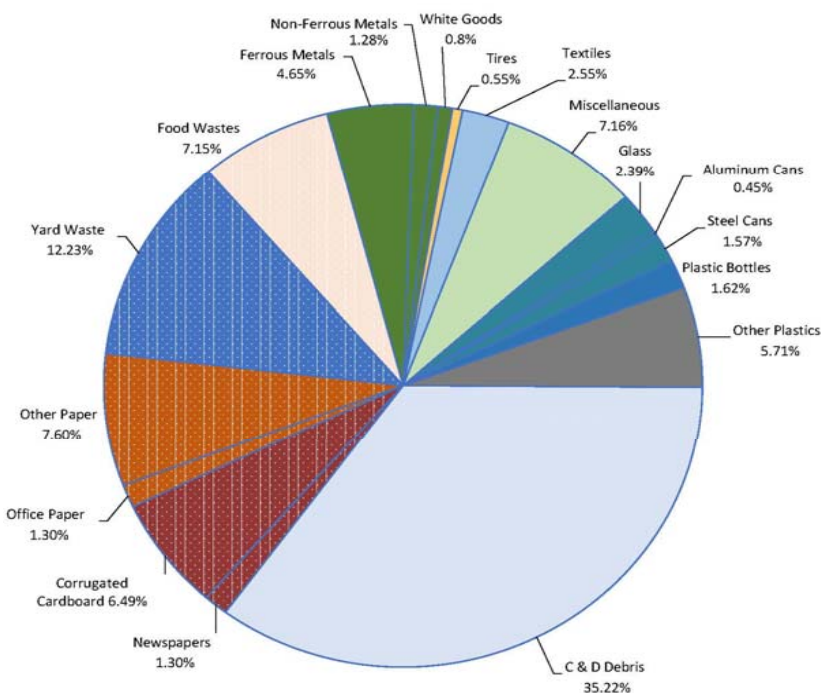
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# CURRENT STATE OF ORGANICS IN FLORIDA

**2020 Florida Municipal Solid Waste Collected (47.1 million tons)**



**FLORIDA MUNICIPAL SOLID WASTE COLLECTED AND RECYCLED (2020) - ORGANICS**

ORGANIC MATERIALS	MUNICIPAL SOLID WASTE COLLECTED <sup>1</sup>		MUNICIPAL SOLID WASTE RECYCLED		
	TONS PER YEAR	% OF TOTAL TONS PER YEAR	TOTAL TONS RECYCLED	% OF TOTAL TONS RECYCLED	MATERIAL RECYCLING RATE <sup>2</sup> (PERCENT)
Newspapers	612,902	1.3	62,965	0.3	10%
Corrugated Cardboard	3,059,105	6.5	1,325,204	6.8	43%
Office Paper	610,664	1.3	112,368	0.6	18%
Other Paper	3,620,259	7.6	376,321	1.9	10%
Yard Waste	5,760,876	12.2	3,780,600	19.3	66%
Food Wastes	3,368,065	7.1	188,645	1.0	6%
Process Fuel <sup>3</sup>	N/A <sup>4</sup>	N/A	269,881	1.4	100%

<sup>1</sup>Municipal solid waste collected is the total recycled, landfilled and combusted.

<sup>2</sup>Unadjusted traditional recycling rate.

<sup>3</sup>Process fuel is composed of yard, wood and paper waste used in process boilers.



# CURRENT STATE OF ORGANICS IN FLORIDA

- **The focus of Florida organics recycling has been on the production and use of compost made from solid waste and materials handled in source-separated organic processing facilities (SOPFs). The materials in SOPFs include yard trash, manure, animal byproducts and vegetative wastes.**
- **In 2021, Florida had approximately 300 SOPFs processing over 3 million tons of organics that were diverted for beneficial use. Most of these facilities managed yard waste only.**
- **DEP has opened Chapter 62-709, Florida Administrative Code – Criteria for Organics Processing and Recycling Facilities – for updates.**



# ORGANICS PROCESSING AND RECYCLING FACILITIES

## CURRENT REGULATIONS - OVERVIEW

### Source-Separated Organics Processing Facility (SOPF) Registration

- Chapter 62-709, F.A.C.
- Chapter 62-701, F.A.C. – general provisions.
- Limited to 1 year – must renew annually.

### Solid Waste Composting Facility Permit

- Chapter 62-701, F.A.C.
- Chapter 62-709, F.A.C.
- Specific for solid waste composting not meeting criteria for registration – five years.

### Biosolids Processing/Composting Permit

- Chapter 62-640, F.A.C.
- Permit required – five years.

### Air Program Anaerobic Digestion Permit

- Chapter 62-210, F.A.C.
- Required for digestion of organic waste in the production of renewable natural gas (RNG).



# CHAPTER 62-709, F.A.C. RULEMAKING

## CRITERIA FOR ORGANICS PROCESSING AND RECYCLING FACILITIES

### Organics Recycling Rule, Chapter 62-709, F.A.C. is Open for Updates

- Last rule update in 2010.
- Summary of proposed changes:
  - New definitions.
  - Addition of community composting.
  - Tier registration composting facilities.
  - Operations plan requirement for registered facilities.
  - Addition of new organic feedstocks under the registration program:
    - Sargassum seaweed.
    - Liquid food waste.
    - Compostable products.
    - Domesticated pet waste.



# CHAPTER 62-709, F.A.C. RULEMAKING

## DEFINITION UPDATE - PROPOSED

### New Definitions

- Tier 1 and Tier 2 facilities.
- Community composting.
- Mechanical compaction.
- Sargassum seaweed.
- Domesticated pet waste.
- Compostable products – BPI and ASTM specifications.
- Food waste:
  - Pre and post consumer food waste.
  - Opened to residential collection.
  - Will replace current definitions of animal byproducts, pre-consumer vegetative waste and (post-consumer) vegetative waste.



# CHAPTER 62-709, F.A.C. RULEMAKING

## COMMUNITY COMPOSTING - PROPOSED

### Community Composting

- **The composting of organic solid waste, such as grass clippings, leaves or food waste, generated by a neighborhood, school or university, or other institutions, where composting occurs within the community and the finished compost is used within that same community.**
- **Exemption - Limited to 100 cubic yards onsite at any time.**
- **Collection and transportation are regulated on the local government level.**



# CHAPTER 62-709, F.A.C. RULEMAKING

## TIER REGISTRATION - PROPOSED

### Tier 1 Registration

- **Applicable to facilities that store and process < 20,000 cubic yards at any time of yard trash or pre-consumer food waste.**
- **One-year registration - \$35.**
- **Renewals and annual reports are due by Feb. 1 each year.**
- **Operations plan requirement.**





# CHAPTER 62-709, F.A.C. RULEMAKING

## TIER REGISTRATION - PROPOSED

### Tier 2 Registration

- **Applicable to facilities that store and process > 20,000 cubic yards of yard trash, pre-consumer food waste, post consumer food waste, compostable products, sargassum seaweed, domesticated pet waste and manure.**
- **Three-year registration - \$500.**
- **Renewals due 60 days before current registration expires.**
- **Operations plan requirement.**
- **Testing required, unless composting only yard trash with pre-consumer food waste.**



# CHAPTER 62-709, F.A.C. RULEMAKING

## FACILITY OPERATIONS PLAN - PROPOSED

### Facility Operations Plan

- **Required for all registered facilities.**
- **Must be submitted with renewal application.**
- **Plan must include:**
  1. **A facility map identifying waste receiving, storing and processing areas.**
  2. **List of feedstocks and source of feedstocks to be accepted and processed.**
  3. **Description of how waste will be processed and managed onsite.**
  4. **List of equipment.**
  5. **Fire Protection and control provisions.**
  6. **A description of how dust and odor will be controlled and managed.**
  7. **Pathogen reduction plan/methods of disinfection.**
  8. **Stormwater and leachate management plans, if applicable.**
  9. **A description of how the compost product will be used, sold or distributed.**



# FLORIDA ORGANICS RECYCLING CENTER FOR EXCELLENCE (F.O.R.C.E.)

The mission of F.O.R.C.E. is to provide a framework to promote organics recycling and serve as clearinghouse of information in a statewide effort to streamline compost processing, food diversion, research, demonstration, marketing and education information in Florida.



[FloridaForce.org](http://FloridaForce.org)



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**For more information on the state of organics in Florida and for updates on rule development for Chapter 62-709, F.A.C., please visit:**

**[FloridaDEP.gov/OrganicsRecycling](http://FloridaDEP.gov/OrganicsRecycling)**