

# Massachusetts Waste Bans

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# Waste Bans Background

## **Purpose:**

- Implement as part of a comprehensive approach
- Ensure materials available for recycling & composting facilities
- Limit need for disposal capacity

# Waste Ban Background

## Who do they apply to?

310 CMR 19.017(3)(a): “No person shall dispose, transfer for disposal, or contract for disposal of the restricted material...”

- **Solid Waste Facilities**
- **Haulers**
- **Generators**

# Banned Materials

- Recyclable Paper/Cardboard
- Glass, Metal, Plastic Containers
- Leaves and Yard Waste
- Asphalt Pavement, Brick, Concrete, Metal, Wood and Clean Gypsum Wallboard
- Lead Acid Vehicle Batteries and Tires
- Cathode Ray Tubes
- White Goods (large appliances)
- \* *Tires and Wood can be accepted at municipal waste combustors*
- **Overall, waste ban materials = about 40% of trash disposed**

# MassDEP Waste Ban Compliance Strategy

- Using facility and third party data
  - Outreach and targeting inspections
- Increased inspections and enforcement
  - Inspections at solid waste facilities
  - Looking for large amounts of banned materials
  - More than 150 enforcement actions since January 2013
- RecyclingWorks resources and assistance

# Cardboard





# Paper



# Bottles and Cans





# Leaves and Yard Waste



# Organics Policy and Goals

- Solid Waste Master Plan
  - Overall goal – reduce disposal by 2 million tons (30 %) annually by 2020
  - Reduce disposal by 80% by 2050
- Primary Goal – Divert additional 350,000 tons per year of organic materials from disposal by 2020
- Clean Energy Results Program
  - Support the development of renewable energy in Mass.
  - Goal to have 50 MW of anaerobic digestion in place by 2020

# Why focus on food waste/organics?

- Food waste and other organics >25% of disposal in Mass. > 1 million tons per year
- Food waste estimated 15% of MSW disposal
- Compostable paper 6 % of MSW disposal

# Benefits

- Opportunity to digest for energy and/or compost to produce soil amendments/fertilizers
- Management solutions for dairy manure & wastewater residuals
- Opportunity to generate energy at farms, waste water plants, other locations
- Cost effective materials management for businesses/institutions
- Reduced reliance on disposal capacity



# Organics Action Plan Overview

- Comprehensive, integrated set of strategies
- Developed working with stakeholders
- Focused on 2020 goal – 350 K tons additional diversion annually
  - Data Analysis
  - Collection Infrastructure
  - Processing Capacity/Market Development
  - Regulatory Reform/Waste Ban

# Current Status/Progress to Date

- Estimate baseline 100,000 tons of food waste diversion
- Composting – farms and small commercial sites – about 30 locations
- Pig farms/animal feed
- On-site systems
- Estimated 1,400 businesses/institutions now diverting food waste – includes 300 supermarkets
- Growth in organics hauling services

# Building Collection Infrastructure

- RecyclingWorks resources and assistance
  - Guidance on food waste reduction/donation
  - Best management practices guidance
  - Direct technical assistance
  - Service provider database
- Recycling Loan Fund – haulers eligible

# Growing Processing Capacity/Markets

- Solid waste regulations siting changes
  - Promulgated November 2012
  - Clarify requirements, reduce siting barriers
  - Facilities taking source separated materials do not require solid waste facility site assignment
  - Allow waste water plants to accept food waste to AD w/o being solid waste facility
- Grant and loan funding for facility development



# Commercial Organics Waste Ban

- Will take effect October 1, 2014
- Food waste and vegetative material
- Does not apply to management in wastewater
- Commercial/institutional organics – dispose > 1 ton/week
- Estimate – 1,700 businesses/institutions subject to the ban
- How to count: campuses, chains, dorms

# Resources and Assistance

- RecyclingWorks in Massachusetts
  - [www.recyclingworksma.com](http://www.recyclingworksma.com)
  - 1-888-254-5525
  - [info@recyclingworksma.com](mailto:info@recyclingworksma.com)
  - Searchable service provider database
  - Direct technical assistance

# Web Resources

- Estimating food waste generation by sector
  - K-12 schools – 4,000 students or more
  - Colleges – 730 or more residential, 2,750 or more non-residential
  - Hospitals – 84 beds
- How to comply with commercial organics ban
  - Reduction, donation, on-site options, off-site options

# Web Resources

- BMPs for food waste collection
  - Kitchen separation
  - Hauler collection
  - Outdoor storage
- Food donation page
- Food waste reduction page (coming soon)
- Case studies



# Commercial Organics Vendor Fair

- June 12, Framingham – 9-2
- Wide range of vendors specific to food waste reduction and diversion
- Any equipment or service provider that can help a business comply with the ban
- Workshops on basics of the ban and BMPs

# Contact Information

[www.mass.gov/dep/public/committee/swacorg.htm](http://www.mass.gov/dep/public/committee/swacorg.htm)

[www.mass.gov/dep/recycle/reduce/commorg.htm](http://www.mass.gov/dep/recycle/reduce/commorg.htm)

<http://www.mass.gov/dep/cleanenergy.htm>

[www.recyclingworksma.com](http://www.recyclingworksma.com)

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