

Draft 2010-2020 Solid Waste Master Plan: Pathway to Zero Waste

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NEWMOA

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Massachusetts
Department
of
ENVIRONMENTAL
PROTECTION

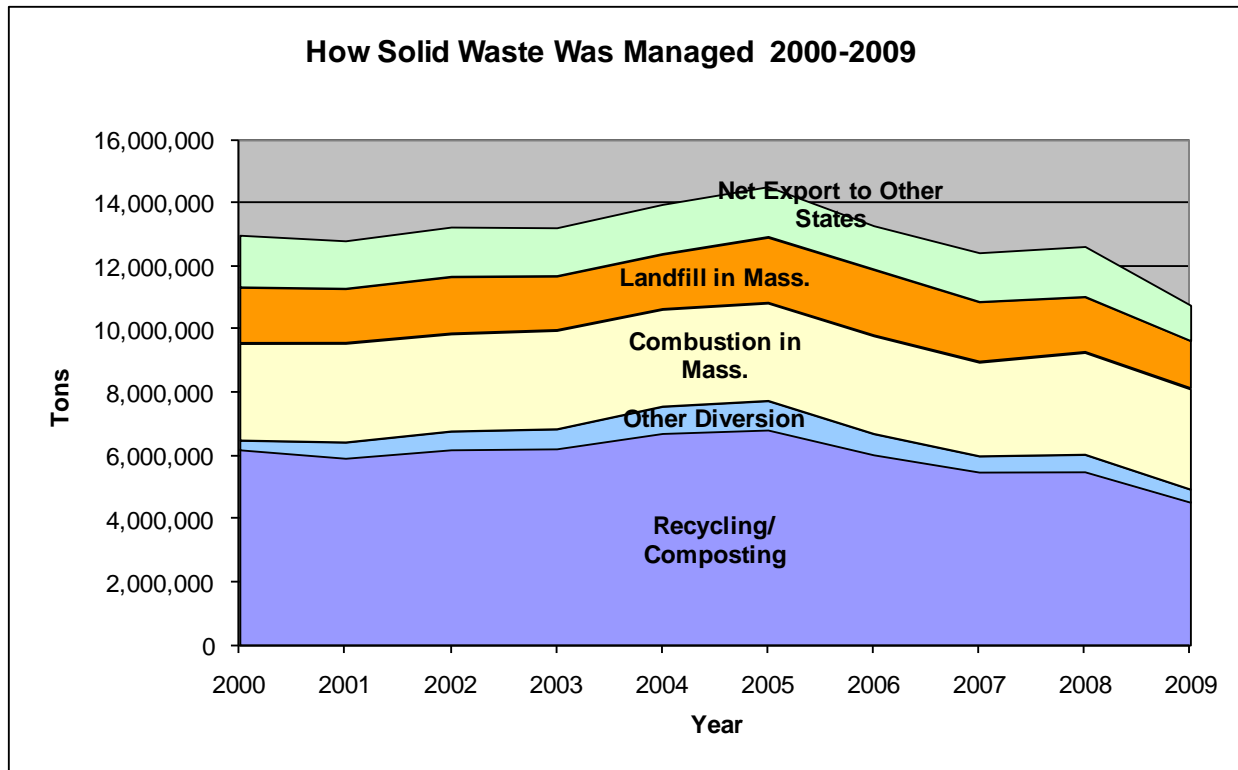
Background

- Required by MGL Chapter 16, Section 21 (Solid Waste Act of 1987)
- First SWMP published in 1990
- “Beyond 2000” SWMP published in 2000
- “Beyond 2000” Plan revised in 2006
- 2010-2020 Draft Plan: Pathway to Zero Waste – vision for 2020 and beyond

Draft Plan Focus

- Dramatically increase recycling and re-use
- Maintain moratorium and develop improved performance standards
- Seize recycling economic and job creation opportunities
- Increase producer responsibility requirements
- Develop integrated solid waste management systems

Solid Waste Management 2000-2009 (2009 data is draft)

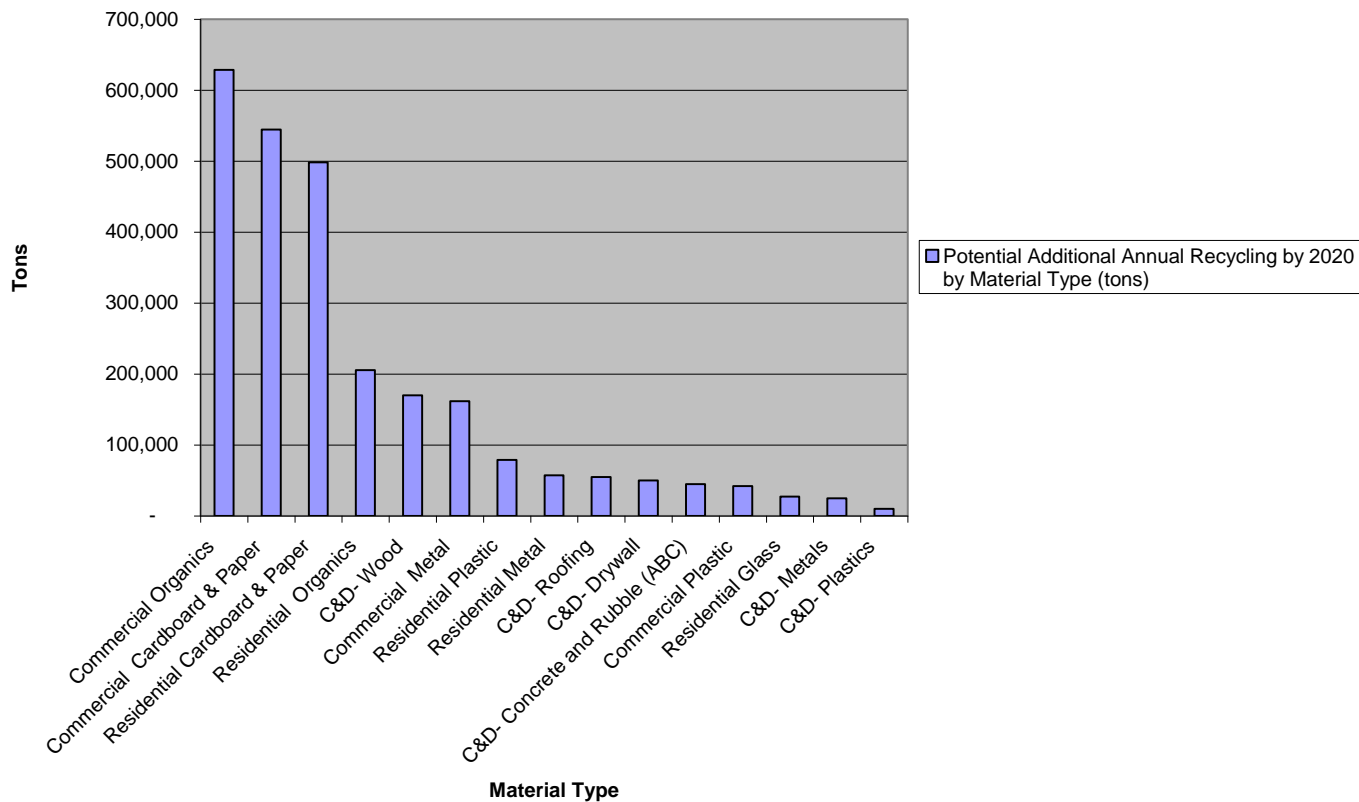


2020 and 2050 goals

- 2020
 - Reduce disposal by 30% (6.5 to 4.5 million tons)
 - Continue to divert toxic substances from waste
- 2050
 - Reduce disposal by 80% (6.5 to 1.3 million tons)
 - Virtually eliminate products with toxics from waste stream

Additional Diversion Potential

Potential Additional Annual Recycling by Material Type by 2020 (tons)
(in addition to 2008 baseline recycling)



Objective 1 – Increase Recycling

- Increase Business & Institutional Recycling
 - Waste hauler recycling service requirement
 - Waste ban enforcement
 - Technical assistance
- Increase Residential Recycling
 - PAYT, single-stream recycling
 - Technical assistance, targeted grants

Objective 1 – Increase Recycling

- **Producer Responsibility**
 - Electronics producer responsibility
 - Expanded bottle bill
 - Regional framework producer responsibility system
- **Stimulate increased material and product reuse**
- **Commonwealth Leading by Example**

Objective 1 – Increase Recycling

- Organics strategies
 - Modify siting regulations
 - Market development assistance
 - Waste ban on commercial food waste
- Construction and demolition debris strategies
 - Increase recycling rate for materials excluding asphalt, brick, and concrete to 50% by 2020

Objective 1 – Increase Recycling

- Statewide education campaigns and school programs
- Keep toxics out of waste stream

Objective 2 – Maximize Environmental Performance of Solid Waste Facilities

- Maintain moratorium on municipal solid waste combustion
- Improve solid waste facility waste ban implementation
- Reduce emissions and increase efficiency of municipal solid waste combustors
- Oversee active landfills and landfill closure projects

Objective 3 – Integrated Solid Waste Management Systems

- Work with municipalities and industry to develop facilities and systems that integrate recycling, composting and other diversion into infrastructure design
- Maximize diversion from disposal through integrated approaches

Resource Constraints

- Recognize short term resource constraints
- Defining short-term Plan priorities
- Will develop year 1 (and 2?) implementation plan for discussion with SWAC
- Implementation of other initiatives phased in between now and 2020

Sustainable Materials Recovery Program – Recycling Funding

- Recycling funding through waste to energy renewable energy credits
- 50% of value to recycling programs approved by MassDEP
- Four areas
 - Municipal/residential recycling
 - Commercial recycling
 - Market Development
 - Core Services

Legislative Initiatives

- Proposed Legislation
 - Safer alternatives to reduce toxics in products
 - Expanded bottle bill
 - Electronics
 - Expand MassDEP authority over problem sites
- New Legislative Issues
 - Require haulers to provide full recycling services
 - New strategies to increase residential recycling
 - Regional framework EPR system

Draft Plan Process

- Draft Solid Waste Master Plan published on July 1
- Comment period until October 1st
- Six public hearings
- Earlier public process
 - 7 Public meetings: December 2008-January 2009
 - 20 Workgroup meetings: February – March 2009
 - 8 Solid Waste Advisory Committee meetings

Comments Received

- Held six hearings
 - About 220 attendees
 - Some people attended multiple hearings
- 121 people/organizations commented
- 71 in writing, 66 verbal (16 both)

Remaining Process

- Revise Plan based on comments
- Prepare “response to comments” document
- Publish final plan
- Implement Plan

For More Information

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<http://www.mass.gov/dep/recycle/priorities/dswmpu01.htm#swmp>