

Materials Management Planning in NY

Lessons Learned

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Summary

- Why did NYS develop a plan?
- Why a new approach?
- The planning process
- The Plan's content
- Outcomes of the process to date
- Lessons learned



Why a New Plan?

- Review 20+ years of experience
- Set new goals
- Address emerging issues and materials
- Finite resources and new opportunities
- Recommend a course of action



Why a new approach for NY?

- Environmental impact of wasting
 - Upstream/Life Cycle Impacts
 - GHG & Energy Use
 - Land & Resources
- Jobs and economic opportunity in recovery
- Recycling has reached a plateau



Why a new approach for NY?

- Trends at EPA
 - *Sustainable Materials Management: The Road Ahead*
- Trends in other states
 - Washington State Beyond Waste Plan
 - California Strategic Plan



Beyond Waste Planning Process

- Stakeholder Meetings – Spring 08
- Advisory Group – 08/09
 - Representing various stakeholder groups and regions of the state
- Release of Draft (for public comment) – May 2010
- Hearings and Meetings – Summer 2010
- Final Adoption –December 2010



Beyond Waste: Key Findings

- 20 years after SWMA, still wasting 65-80% of materials
- Waste contributes to climate change
- Some waste prevention gains have been achieved, but driven by economics and not policy
- Wide variation in program performance statewide; though good data is scarce
- Organics are 30 percent of MSW; recycling organics critical to progress



Beyond Waste: Vision

A materials management system that:

- Captures economic value of materials
- Minimizes greenhouse gas emissions
- Maximizes materials and energy efficiency
- Impacts the design of products and packaging
- Achieves ever-increasing levels of recovery



Beyond Waste: Goals

- Minimize Waste Generation & GHG Impacts
- Maximize Reuse, Recycling & Organics Recovery
- Create Green Jobs
- Maximize the Energy Value of Materials Management
- Foster Good Local Planning
- Strive for Participation, Fairness and EJ
- Prioritize Investment in Recovery over Disposal
- Maximize Efficiency in Infrastructure Development
- Foster Technological Innovation
- Continue to Ensure SWMFs are Designed and Operated Well



Beyond Waste: Quantitative Goal

- A progressive reduction in the amount of waste managed in disposal facilities (landfills and municipal waste combustors) on a per capita basis
 - Reduce from 4.1 lbs/person/day disposed in 2008 to 0.6 lbs/person/day in 2030



Beyond Waste: Impacts

- Reduce 21 million MTCO₂E annually
- Conserve more than 280 trillion BTUs of energy annually
 - Equal to energy consumed by 2.6 million homes
- Create 67,000 jobs



Beyond Waste: Major Areas of Focus

- Improve waste prevention, reuse, recycling
- Increase organics recycling – especially food waste
- Implement product and packaging stewardship



Beyond Waste

Improve the 3 Rs

- Clarify who's required to recycle and where
 - All generators; all places
- Increase education, enforcement and incentives
- Generate and allocate additional resources



Beyond Waste

Increase Organics Recycling

- Maximize food redistribution
- Promote and demonstrate organics recycling in state agencies
- Build the composting and organics recycling infrastructure
- Require planning units to evaluate organics recycling



Beyond Waste: Implement Product Stewardship

- Enact PS for:
 - Household Hazardous Waste
 - Pharmaceuticals
 - Paint
 - Carpets
 - Automobiles
 - Mercury Containing Products
 - Packaging
 - Appliances



Controversial Issues

- Disposal Bans
 - Clarified, scaled back
- Tip Fee Surcharge
 - Discussed, not specifically recommended
- Mandatory PAYT
 - PAYT encouraged, may mandate later
- Designating Mandatory Recyclables
 - Designated basic list
- MSW Combustion
 - Fair and balanced representation of facts



Outcomes of Planning Process

- New York Product Stewardship Council Created
- 2 Product Stewardship Laws Enacted
 - Electronic Equipment Recycling and Reuse Act
 - Rechargeable Battery Recycling Act
- Private sector interest and investments
- Internal reorganization



Outcomes of Planning Process

Division of Materials Management

Bureau of Permitting and Planning

- Compliance & Resource Mgmt
- Facilities
- Planning & Municipal Assistance

Bureau of Waste Reduction and Recycling

- Product stewardship & waste reduction
- Recycling & Outreach
- Organics Recycling & Beneficial Use

Bureau of Pest Management

- Product Registration & Pest Management Alternatives
- Compliance & Lab Services
- Reporting & Certification



Lessons Learned

- Discussion has value
 - Raising literacy
 - Raising expectations
- Persistence is THE strategy
- Planning is the beginning NOT the end



Thank You!

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Beyond Waste Plan

<http://www.dec.ny.gov/chemical/41831.html>

