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