

TURI Continuing Ed Conference

Source Reduction Discussion



John Fischer
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2030 Solid Waste Master Plan

- Winter & spring 2019 – develop content for draft plan
- Summer 2019 – prepare draft plan for publication
- Fall 2019 – public comment & hearings
- 2020 – review & respond to comments, prepare final Plan

2020 Master Plan Goals

- Reduce disposal by 2 million tons annually by 2020
- Includes all methods of waste reduction & diversion
- As of 2017, at about 800K tons reduction
- Looking ahead, limited disposal capacity & alternatives
- Need to maximize other forms of “capacity”

Levels of Hierarchy

- Source reduction – reduce material use and generation, extend material lifecycle
- Reuse – reuse materials in same form, donate/resell, share materials, extend material lifecycle
- Divert materials from disposal – recycling, composting, anaerobic digestion, animal feed

MassDEP Source Reduction: Commercial/Institutional Food

- BMPs for source reduction of food waste
 - Waste tracking, menu planning, procurement
- Case studies, workshops, technical assistance
- UMass Amherst case study: saved over \$500k/year in food costs
- Boston College > 50% waste reduction

MassDEP Source Reduction: Commercial/Institutional

- Resource Management Contracting
- Leveraging purchasing – Mass Maritime Academy
Spring 2019 presentation
- Building materials reuse/reduction & deconstruction
 - [RecyclingWorks in Massachusetts BMPs](#)
- Toxics Use Reduction Act – Resource Conservation
Planning

Other Initiatives in Massachusetts

- Plastic bag bans
 - Municipal plastic bag bans – 95 municipalities
 - Whole Foods and Big Y supermarkets plastic bag elimination
 - Statewide legislation proposed
- Other single use packaging bans
 - Polystyrene food service packaging – 32 municipalities
 - Other single use plastics – e.g., straws

Regional and National Trends

- Packaging Reduction
 - Food and beverage manufacturers plan to reduce packaging by 19% from 2005-2020
- E-Commerce
 - Moving to lighter weight more flexible packaging
 - Proctor and Gamble's "Air Assist Package" led to 50% material savings
- Other waste stream shifts – reduced newspaper and magazine circulation and material use
- Many source reduction shifts affect recycling

WasteWise Forum

- 8:30 – 12:00, May 1, 2019
- Spaulding Rehab Hospital, Boston
- Procurement strategies to reduce waste
- www.recyclingworksma.com

Next Steps & More Information

- Comments & Questions
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