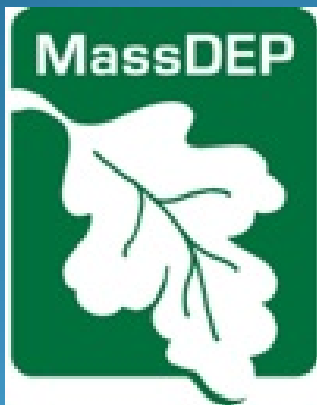


# Solid Waste Advisory Committee

## Source Reduction Discussion



John Fischer  
January 17, 2019

# Master Plan Status & Schedule

- 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

# Upcoming Meetings

- SWAC – January 24, April 25 and June 27
- C&D Subcommittee – March 14
- EBC C&D Summit – January 31
- Organics Subcommittee – TBD
- Source Reduction Follow-up Meeting - TBD



# Levels of Hierarchy

- Source reduction – reduce material use and generation
- Reuse – reuse materials for original purpose, extend material lifecycle
- Divert materials from disposal – recycling, composting, anaerobic digestion, animal feed

# MassDEP Source Reduction: Municipal/Residential

- Pay As You Throw
  - direct incentive to generate less waste
- School grants
  - dishwashers – reusable trays and cutlery
  - Milk dispensers?
- Library of things – Newburyport grant
- Recycling Dividends Program – reuse/repair programs credit
- Grants for reuse operations



# 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
  - Leveraging municipal building permits?
- Toxics Use Reduction Act – Resource Conservation  
Planning



# Other Initiatives in Massachusetts

- Plastic bag bans
  - Municipal plastic bag bans – 88 municipalities
  - Whole Foods and Big Y supermarkets plastic bag elimination
- Other single use packaging bans
  - Styrofoam food packaging – 9 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

# Other States' Source Reduction Initiatives

- California
  - Alameda County
    - <http://www.stopwaste.org/preventing-waste>
  - CalRecycle
    - <https://www.calrecycle.ca.gov/ReduceWaste/Home/>
- Oregon DEQ
  - <https://www.oregon.gov/deq/mm/Pages/Waste-Prevention-and-Reuse.aspx>
  - Make Every Thread Count
    - Average consumer buys 60 percent more clothing & keeps them ½ as long as 15 years ago.



# Next Steps & More Information

- Comments & Questions
  - [John.fischer@mass.gov](mailto:John.fischer@mass.gov)
  - [Dep.swmp@mass.gov](mailto:Dep.swmp@mass.gov)
- Next source reduction meeting?