EBC Solid Waste Management Program:
Update from the MassDEP Regional Solid Waste Section Chiefs
Welcome

David Murphy
Chair, EBC Solid Waste Management Committee
Vice President, Tighe & Bond
Welcome to E. L. Harvey

Ben Harvey

Member, EBC Board of Directors

President, E. L. Harvey & Sons, Inc.
Program Introduction & Overview

Thomas A. Mackie

Program Chair & Moderator
Vice Chair – Strategic Planning, EBC Executive Committee
Managing Shareholder, Mackie Shea, PC

Environmental Business Council of New England
Energy  Environment  Economy
Overview: MassDEP Solid Waste Management Program

Greg Cooper

Division Director
Business Compliance & Recycling
Bureau of Air & Waste, MassDEP
Status of Solid Waste and Recycling in the Commonwealth

Greg Cooper
MassDEP
September 18, 2018
Recycling Markets – Local Impacts of Global and Regional Disruptions

- Overview of Solid Waste Generally
- Overview of Change to Recycling Markets
- MassDEP Response
Overview of Municipal Solid Waste Management

- 2016 Overall Disposal: 5.5 million tons per year
- MSW Disposal: 4.6 million tons
  - Combustion: 3.2 million
  - Landfill: 1.2 million
  - Export: 200,000
Overview of Municipal Solid Waste Management

• In-State Disposal Facilities
  • 7 Combustion Facilities
  • 8 Landfills – 2 projected to close CY2018

• Out of State Disposal
  • Shipped to Facilities in CT, ME, NH, NY OH
  • 12 Rail MSW Transload Facilities (operating + in permitting)
Massachusetts Solid Waste Master Plan

- 10 year plans – First in 1990
- Sets framework for solid waste management-including goals to promote recycling; includes paper, cardboard, metal/plastic/glass containers, leaf & yard waste, food waste (from large producers), construction and demolition materials
- Current plan ends 2020 (2010-2020)
  - 2016 – ½ towards goal of reducing waste disposed by 30% (2,000,000 tons)
Massachusetts Solid Waste Master Plan

- MassDEP has begun the 2020-2030 planning process
  - Stakeholder meetings, Data analysis
  - Looking at where trash and recyclables are going
  - Scheduled draft plan Summer 2019
  - Finalize Plan by 2020
Overview of Recycling Markets – Market Impacts

• Over supply in global market – mixed paper and (non bottle) plastics
• Lack of regional market for glass
• Increased costs and reduced revenues for recycling processors
• Significant recycling cost increases to municipalities and businesses
• Some short-term “recycling outages”
Overview of Recycling Markets – Market Disruptions

- Mixed Paper and Plastic: China’s National Sword Policy
  - China: largest importer of recovered paper in the world – U.S. was exporting nearly 2/3 of its wastepaper and up to 40% of recovered plastics to China.
  - National Sword Effective January 1, 2018
  - Mixed Paper and plastics
  - <1/2 of 1% contamination standard
Overview of Recycling Markets – Market Disruptions

- Contamination in Recycling
  - Contamination – food waste, plastic film/bags, textiles, even bagged trash
  - Reported contamination, in some cases over 20%
  - Increases costs, reduces revenue and endangers workers
Overview of Recycling Markets – Market Disruptions

- Glass: Regional: Ardagh (Milford, MA) Glass Plant Closure
  - Effective March 30, 2018
  - Largest consumer of recycled glass in Northeast
  - Few other outlets
MassDEP Response

• Coordinate/Communicate with Stakeholders
  • Allow regulatory flexibility in management of recyclables
  • Issuance of waste ban waivers when other options exhausted

• Technical Assistance and Financial Support to municipalities

• Effort to educate Public on Contamination Issues
MassDEP Response

- Technical Assistance to Communities
  - Ongoing MassDEP recycling help: 7 Municipal Regional Recycling Coordinators statewide
  - Ongoing help with regard to questions about recycling and disposal.
  - Points of regular contact with communities
MassDEP Response

• Financial Support
  • Recycling Dividends Program provides funding for municipal recycling that can be used to offset some increases in recycling costs. Deadline: June 13, 2019. MassDEP just awarded $3.2 million to 238 municipalities.
  • Capital equipment grants for municipalities to establish glass processing operations to create a local market for glass as a DOT approved construction aggregate. 2 regional awards totaling $250,000
  • $2 million in grants to recycling businesses for technology upgrades to produce cleaner recycling streams and to develop new markets for glass.
MassDEP Response

• Initiate efforts to reduce contamination in recycling

• Local Educational Effort: MassDEP created Recycling IQ Kit to help municipalities implement on-the-ground initiative to educate residents about what belongs in the bin. Over 15 municipalities are currently implementing. MassDEP provides technical assistance and grants (up to $40k) to hire staff and produce outreach materials.

• Statewide Outreach: MassDEP has launched the RECYCLE SMART effort.
CAN I RECYCLE THIS?

Recyclopedia

Need help?

Type the name of a waste item and we'll tell you how to recycle or dispose of it.

Search

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Recycling Guide

Watch the video

Recycling FAQ

How does recycling work? See

What you need to know to Do
Regional DEP Chiefs of the Solid Waste Management Section

- Mark Fairbrother, *Northeast Region*
- James McQuade, *Central Region*
- Mark Dakers, *Southeast Region*
- Daniel Hall, *Western Region*
Moderated Discussion

Moderator: Tom Mackie, *Mackie Shea PC*

Panelists:

- Greg Cooper, *Division Director*
- Mark Fairbrother, *Northeast Region*
- James McQuade, *Central Region*
- Mark Dakers, *Southeast Region*
- Daniel Hall, *Western Region*