

# 2030 Solid Waste Master Plan Draft Plan Framework

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# Overall Approach – 10 Year Plan

- 10 year Plan to provide framework and vision
- To include:
  - Overall goals
  - Policy framework
  - Program priorities
  - Sections by major topic
- Similar to how other states are proceeding
  - Oregon, Maine, New York, Vermont

# Overall Approach – Work Plans

- More specific, in-depth work plans flesh out strategies for key program areas over time
- Example – MassDEP 2012 Organics Action Plan
  - 2020 Master Plan
    - summary bullets on key initiatives
  - Organics Action Plan
    - more detailed and complete strategy and work plan with specific action items and dates

# Specific Work Plans

- Establish as we go
- Update periodically as needed (within 10 year plan timeframe)
- Address new developments within overall plan timeframe
  - Market changes
  - Capacity & infrastructure changes
  - Regulatory and/or statutory implementation

# Master Plan Goals - Current

- Current goals
  - 30% reduction in disposal by 2020 (at 14% through 2017)
  - 80% reduction in disposal by 2050
- More progress needed – will require new & expanded strategies

# Master Plan Goals – Proposed for Discussion

- Proposed 2050 goal
  - Should we have a 90% reduction in disposal by 2050?
  - 5.9 million ton reduction from 2008 (from 6.5 million tons)
  - 4.5 million ton reduction from 2017 (from 5.7 million tons)
- Proposed 2030 goal – assuming straight line progress
  - 1.7 million ton (33%) reduction from 2017
  - 2.5 million ton (38%) reduction from 2008

# Related Data Analysis

- Solid waste capacity data and study
- Organics – food materials
- C&D recycling & diversion
- Municipal recycling and waste management
- Recycling facility data
- Waste characterization data

# Priorities Discussion

- Greatest diversion potential – based on waste characterization data
  - Ex. - food material, cardboard, textiles
- Difficult to manage materials
  - Ex. - mattresses, furniture, paint
- Materials with greatest local market development potential
  - Ex. glass, mattresses, food material, targeted plastics
- Materials with greatest source reduction or reuse potential
  - Ex. - single use plastics, food, furniture, textiles

# Source Reduction

- Explore/leverage initiatives to reduce packaging waste
- Promote “sharing economy” strategies
- Implement residential source reduction linked to PAYT
- Foster “right to repair” information sharing
- Develop commercial food waste source reduction initiative
- Leverage procurement to reduce commercial & institutional waste
- Renew emphasis on resource management contracting
- Bans on single use plastic bags and food service packaging

# Reuse

- Implement commercial furniture reuse BMPs
- Support increased reusable packaging adoption
  - Especially transport/distribution packaging
- Advance sharing economy strategies
- Residential & commercial textile reuse (and recycling)
  - Consider for waste disposal ban
- Support building deconstruction projects thru TA
  - Explore municipal building permit processes

# Reducing Food Waste

- Should we have a waste ban threshold of ½ ton/week for businesses and institutions?
- Explore new/expanded grant programs for compost operations and intermediate processing facilities
- Develop commercial food waste source reduction initiative
- Increase compliance related information requests under current ban
- Advance comprehensive strategy for residential and small business food waste reduction

# Construction & Demolition Materials

- Establish & advance minimum facility performance standards
  - Establish level playing field with existing waste bans
- Invest in C&D infrastructure through grant & loan programs
- Continue source separation pilot initiative
  - Identify best material targets for source separation
- Support building deconstruction projects thru TA
  - Explore municipal building permit processes

# Municipal/Residential Waste Reduction

- 3 legged stool
  - Grants/technical assistance/education & training
- What can we do to ramp up PAYT program adoption?
- Focus on improving recycling quality & increasing contamination & addressing recycling cost increases
  - Plastic bag bans
- Explore producer responsibility approaches for difficult to manage materials
  - Including paint and mattresses
- Develop strategies for additional waste bans
  - Mattresses, textiles

# Commercial Waste Reduction

- Increase waste ban inspection and compliance resources
- Ramp up RecyclingWorks assistance in targeted areas
- Develop mandatory recycling access requirement
- Connect with other focus areas
  - Source reduction, reuse, food waste, building materials

# Market Development

- Continue targeted recycling grants and Recycling Loan Fund
- Coordinate market development partnerships
  - Closed Loop Fund MOU
  - Connect with other state business development assistance
- Leverage state and local purchasing power

# Management Capacity

- Take multi-pronged approach to capacity
- Build on MSW Consultants study findings
- Maintain municipal waste combustion moratorium in similar form
- Remain open to innovative capacity solutions & technologies

# Solid Waste Facility Oversight

- Maintain oversight over existing facilities
  - Inspections, compliance and enforcement
- Permit reviews of new facilities
- Closed landfills — post 30 year monitoring and maintenance

# Next Steps

- Organics Subcommittee
  - Continued discussions strategy to support lower ban threshold
- Other Subcommittee meetings as needed
  - C&D, source reduction/reuse, municipal
- Solid Waste Advisory Committee
  - Next meeting: June 27, 2019
  - Review and discuss Draft Plan elements
- Draft Plan
  - Public comment and hearing in Fall 2019
- Final Plan
  - Publish by end of 2020
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