

# 2030 Solid Waste Master Plan and Waste Ban Regulations

New Hampshire Solid Waste Working Group

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# What is the Solid Waste Master Plan?

- Big picture plan for how we will manage our trash
- Updated on about 10 year planning cycles
- Current plan published in October 2021
- This plan runs through 2030

# What counts as “solid waste”?

- Waste from residents and businesses
- Waste from construction and demolition projects
- Whether disposed of in-state or out of state
- Dispose about 5.5 million tons/year



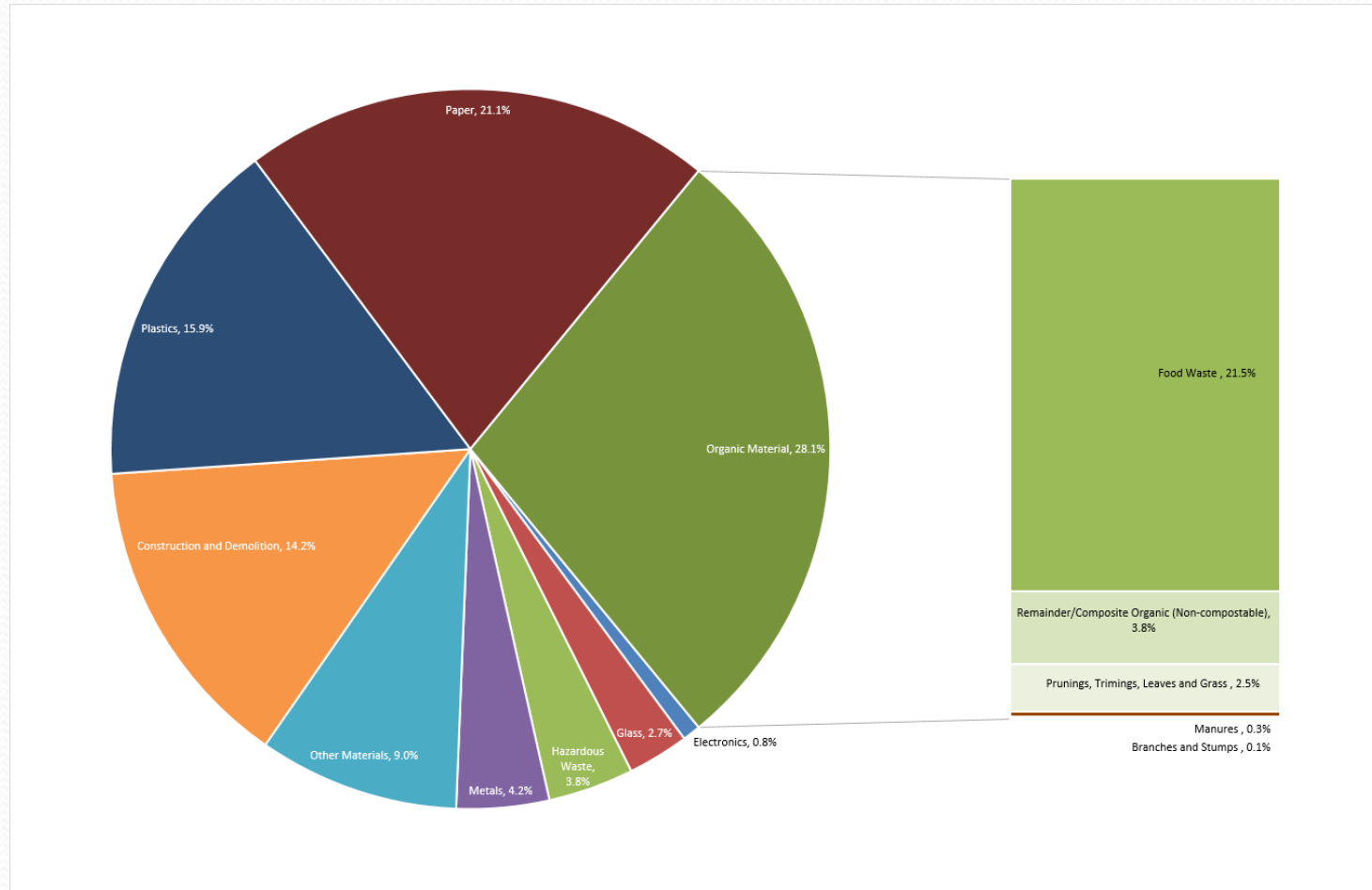
# Where does our trash go?

- In state disposal – about 3.9 million tons
  - 7 Municipal waste combustors - 3 million tons
  - 5 Landfills – 900,000 tons
- Out of state disposal (net) – about 1.6 million tons
  - More than 200 waste transfer stations
  - Increase in rail-based transfer
  - Receiving states include
    - Ohio
    - New Hampshire
    - New York
    - South Carolina

# Other Important Facilities

- 30 sorting & transfer facilities for construction and demolition materials
- 9 materials recovery facilities for mixed recyclables
- About 200 compost operations
- 50 locations that manage food scraps
- Network of reuse and donation programs for food rescue and household goods

# What is in our trash?





# Top 5 Target Materials

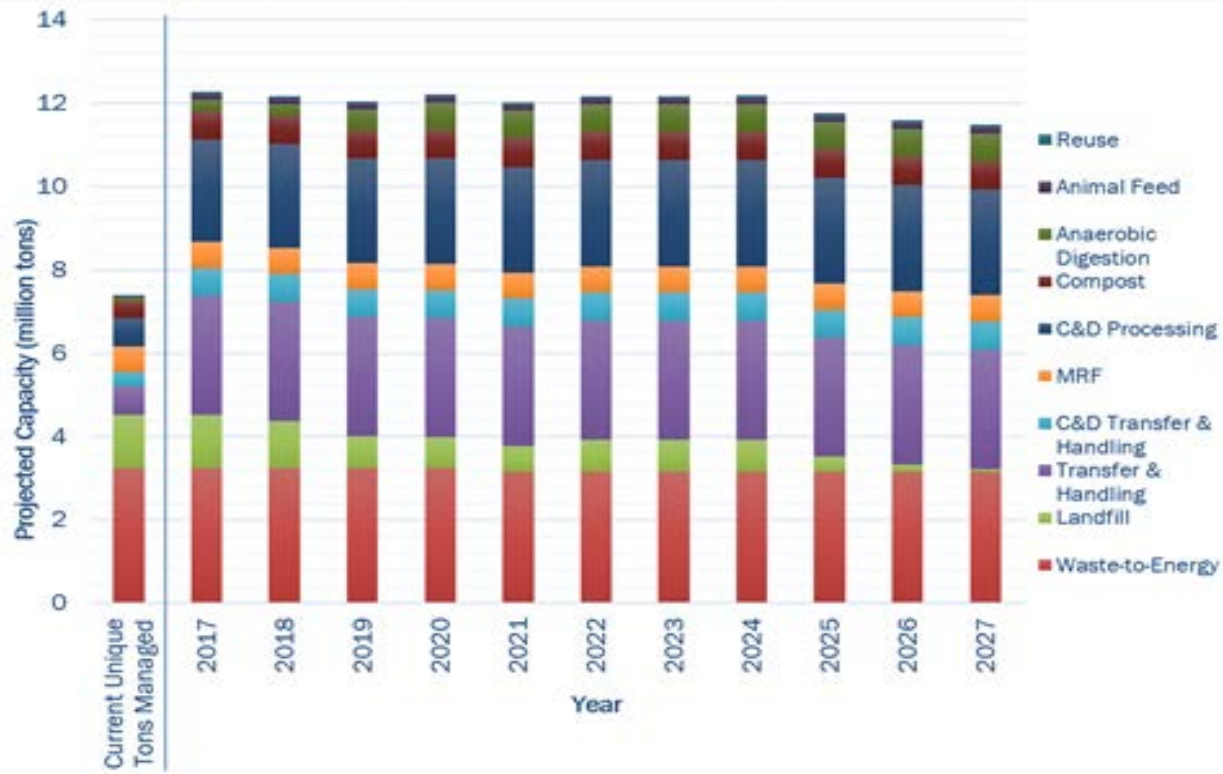
Material	Current Disposal	Additional Diversion (tons per year)
Food material	1,140,000	570,000
Cardboard	420,000	210,000
Untreated wood	270,000	135,000
Textiles	260,000	130,000
Bulky materials	390,000	130,000

# What are our waste reduction goals?

- Ensure adequate capacity to manage our waste
  - Preferred option to reduce the amount of waste disposed
- Reduce disposal by 30% by 2030
- Reduce disposal by 90% by 2050



# In-State Solid Waste Capacity



# What does MassDEP do?

- Regulations and policies
- Permitting
- Inspections, compliance and enforcement
- Grants and assistance
- Education and outreach



# What does MassDEP not do?

- Develop, plan, or operate specific facilities or collection programs
  - Facilities and programs are run by the private sector or local governments
- Develop specific legislation
  - Our focus is to implement the state's laws under our authority



# What's new in the 2030 Plan?

- More detailed and flexible Action Plans coupled with midway program review
- Subcommittees & Workgroups
  - Organics (food waste)
  - Construction & Demolition
  - Recycling Market Development
  - Reduce & Reuse

# What's new in the 2030 Plan?

- Increased emphasis on reduce & reuse
  - Reduce & Reuse Action Plan – coming soon
  - Reuse durable materials - like furniture
  - Repair durable products - like appliances
  - Share materials locally – like power tools
  - Reduce material use – single use packaging





# What's new in the 2030 Plan?

- More engagement with and support of Environmental Justice communities
- Communities with either
  - Lower income,
  - Higher minority populations, or
  - Higher non-English speaking households



# What's new in the 2030 Plan?

- Support of Environmental Justice Communities
  - Prioritize for grant awards
  - Assistance for composting at community gardens
  - Leverage MassDEP's Illegal Disposal Surveillance Program
  - Promote use of hybrid/electric trash & recycling collection trucks
  - Improved notice for facility permits

# What's new in the 2030 Plan?

- Build local markets for our recyclables
  - Recycling Market Development Workgroup and Action Plan
  - State Agency Recycling Market Development Council
  - New \$1 million Innovations Grant Program





# Food Waste Diversion Data

Processing Type	2016 Tonnage	2017 Tonnage	2018 Tonnage	2019 Tonnage
Compost	79,586	52,991	42,321	40,569
Animal Feed	26,250	26,777	39,593	40,014
Anaerobic Digestion	48,234	87,856	159,563	187,947
Other	13,277	12,819	8,065	9,552
Food Donation	22,712	25,940	26,637	27,703
<b>Total</b>	<b>190,059</b>	<b>206,382</b>	<b>276,180</b>	<b>305,785</b>



# Collection & Processing

- Food Waste Collection
  - increase from 1,350 customers in 2014 to 2,900 in 2019
  - More than doubled
  - Grew 26% in 2019 (from 2,300 to 2,900)
- Compost and Anaerobic Digestion
  - Up to 150k TPY potential compost capacity
  - >600,000 TPY anaerobic digestion capacity (operational or under development)
  - 11 de-packaging operations (3 in neighboring states)
  - Growing infrastructure in neighboring states
    - Bans in CT, MA, NJ, NY, RI, VT

# C&D Minimum Performance Standard

- Ensure that every ton of C&D debris is processed at an MPS compliant facility
  - Level the playing field
  - Separate all waste ban materials and maximize recovery of other materials
  - Minimize tonnage sent for disposal and reduce leakage



# C&D Minimum Performance Standard

- C&D MPS
  - Achieve at least a 15% process separation rate
  - Demonstrate separation of all waste ban materials
- 3 ways to comply
  - Comply with above criteria at your facility
  - Transfer all material to a processor that meets the criteria
  - Only accept residuals from processors that meet criteria

# New Waste Disposal Bans

- Effective date of new bans will be November 1, 2022
- Will include mattresses, textiles and reduced food waste threshold (from 1 ton to ½ ton per week)



# Municipal Assistance

- Sustainable Materials Recovery Program Grants
- Recycling Dividends Program
- Municipal Assistance Coordinators
- State contracts – FAC 90 for mattresses
- The Green Team

# Business and Institution Assistance

- For businesses and institutions
  - Also assist public schools
- RecyclingWorks in Massachusetts
  - 888-254-5525
  - [info@recyclingworksma.com](mailto:info@recyclingworksma.com)
  - [www.recyclingworksma.com](http://www.recyclingworksma.com)
- Business Development Grants & Loans
  - Recycling & Reuse Business Development Grants
  - Recycling Loan Fund



# Fore More Information

- <https://www.mass.gov/guides/solid-waste-master-plan>
- <https://www.mass.gov/guides/massdep-waste-disposal-bans>
- For more information
  - John Fischer, [john.fischer@mass.gov](mailto:john.fischer@mass.gov)