

### MassDEP C&D Subcommittee

Via Zoom Webinar

September 25, 2025

10:00 AM - 12:00 PM

### Agenda

- Welcome
- C&D Action Plan Mid-Course Assessment
- Program Updates
- Open Discussion

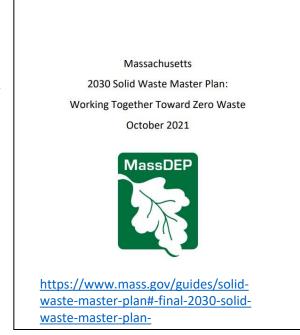
#### Welcome

- 40 individuals registered for the Zoom call as of 9/25/2025
  - C&D Facilities/waste facilities/waste haulers: 10
  - Recyclers: 1
  - Property owners/Developers: 1
  - Construction/Demo Contractors: 6
  - Consultants/Architects/Designers: 6
  - Trade Associations: 1
  - Government Agencies: 10
  - NGOs/Academia: 5

# C&D Action Plan Mid-Course Assessment

### Reason and Timeline for Mid-Course Assessment

- 2030 Solid Waste Master Plan (SWMP)
  - Establishes the Commonwealth's policy framework for reducing and managing solid waste that is generated, reused, recycled, or disposed by Massachusetts residents and businesses.
  - · Proposes a broad vision and strategies for managing waste over the next decade and beyond
  - MassDEP committed to mid-course assessment by 2025
  - Evaluate and modify Action Plans contained within the SWMP
- C&D Action Plan:
  - Establishes tactical objectives to achieve the C&D waste reduction goals.
- Spring/Summer 2025:
  - Evaluate scope and progress of current C&D action plan
  - Solicit input and prepare draft updates
  - Conduct follow-up workgroup meetings as necessary
- Fall 2025:
  - Finalize updated C&D Action Plan



#### C&D Action Plan

- Establishes 4 main objectives
  - 1. Improve Jobsite Waste Management
  - 2. Enhance Collection & Processing
  - 3. Develop End Markets
  - 4. Promote State Inter-agency Cooperation to Advance "Leading by Example"



#### 2030 Construction and Demolition (C&D) Materials Management Action Plan

Updated: March 2023

#### Background

Beginning in the early 2000s, MassDEP launched the Construction and Demolition (C&D) Subcommittee to work with C&D material management industry stakeholders to develop waste bans for C&D materials to promote greater reuse and recycling of such materials. Working in close collaboration with that stakeholder group to ensure the availability of viable markets, MassDEP promulgated its initial C&D material waste bans on ABC, wood and metal in 2006. That was followed by adding clean gypsum wallboard as a waste ban material in 2010.

In the first few years after implementation of the C&D waste bans, the C&D facility annual report data showed an improvement in the recovery rate of banned materials. Initially, the recovery rates as compared to the tonnage of inbound mixed C&D waste improved rapidly from 14% in 2008 to over 30% in 2010. The statewide average recovery rate plateaued between 2010 and 2013 to around 25% and 30%. Since then, the recovery rate steadily declined as wood markets contracted, and C&D waste volume increased as a function of increased C&D activity over the same time period.

From 2016-2019, MassDEP again worked with the C&D Subcommittee to improve the operational efficiency of the 30 large C&D Handling Facilities to increase recovery rates, send more separated material to reuse and revelcing end markets, and reduce the volume of residuals sent for disposal. During CY2019, the process separation rate at C&D processors ranged from less than 1% to about 46%. Better performance correlated, for the most part, with facilities that had invested in mechanical processing equipment and that incurred the added operating expense of fully staffed picking lines.

To address the historic limitations and variability of the C&D handling facility performance, MassDEP launched the C&D Minimum Performance Standard (MPS) in 2020. The MPS established measurable performance criteria that all Large C&D Handling Facilities now need to meet. The intent of the MPS is to level the playing field and ensure that all C&D waste loads are being sent to an MPS-compliant C&D facility for processing, and thus successfully removing and recovering banned materials from all C&D materials as required by the waste ban regulations.

This information is available in alternate format. Please contact Melizza Esenyle at 617-626-1282 TTYS MassRelay Service 1-809-439-2370 MassDEP Websits: www.mass.gov/dep

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# Objective 1: Improve Jobsite Waste Management

- Promote waste re-use, reduction and separation at the job site
  - 1. Technical assistance through RecyclingWorks
  - 2. Promote jobsite source separation, diversion and deconstruction
  - 3. Encourage conformance to Green Building Standards



# Suggestions from May-2025 C&D Meeting Jobsite Waste Management

- Consider adopting certain best practices of the California Treated Wood Waste Alternative Management Standards (CHSC 25230-25230.18) applicable to C&D jobsites
- Support Deconstruction Initiatives
  - Collaborate with Reduce & Reuse Work Group to conduct Deconstruction Workshop (Oct-2025)

# Suggestions from May-2025 C&D Meeting Jobsite Waste Mgt. Outreach/Education

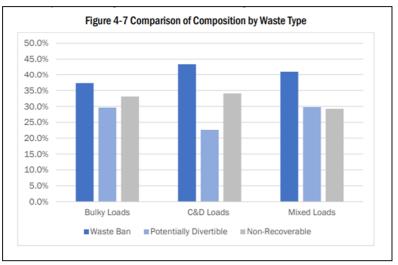
- Reach out to Trade Associations to encourage more jobsite source separation.
- Reach out to Unions, for example :
  - Local #327 North Atlantic States Carpenter's Union,
  - Home Laborers' International Union of North America
- Reach out to Vocational High Schools with an awareness effort to integrate diversion and recycling into the trades
- Reach out to General Contractors and Developers

### Objective 2: Enhance Collection & Processing

- Improve C&D Facility Performance
  - Establish Minimum Performance Standards (MPS) for C&D Processors
  - 2. Provide financial investment to improve process efficiency and effectiveness (e.g. RLF, RBDG)
  - 3. Improve implementation of C&D waste bans (WBs): Clarify definitions and standards; improve enforcement of existing WBs; evaluate adding new WB materials

Incremental Increases in PSR Minimum Threshold (announced in July 2024)

- Schedule of incremental increases in PSR minimum threshold:
  - 2020 = 15% (effective 1/01/2020)
  - 2025 = 20% (effective 1/01/2025)
  - 2027 = 23% (effective 1/01/2027)
  - 2030 = 25% (effective 1/01/2030)



https://www.mass.gov/doc/statewide-bulky-waste-characterization-study-june-2022/download

# Suggestions from May-2025 C&D Meeting Improve C&D Facility Performance

- Industry introduced a proposal to classify certain mixed C&D loads generated at jobsites with jobsite source separation as "C&D Residuals" upon receipt at the facility without further processing;
  - If implemented, industry suggested a verification process would need to be developed
- Improve Accuracy and Precision of C&D Facility Operation Reports

#### MassDEP actions subsequent to May-2025 C&D Meeting

- June-2025
  - Launched new C&D Operations Report Form in EXCEL format
  - Increased frequency of operations reporting to quarterly for C&D Processors
- Sept-2025
  - Announce plan to conduct more strict compliance and enforcement inspections

### Objective 3. Develop End Markets

- 1. Expand existing wood markets
- 2. Expand other markets for materials such as asphalt shingles, gypsum, carpet, etc.
- 3. Develop common C&D materials product specifications (improve reliability for end-markets)
- 4. Identify outlets for C&D Fines

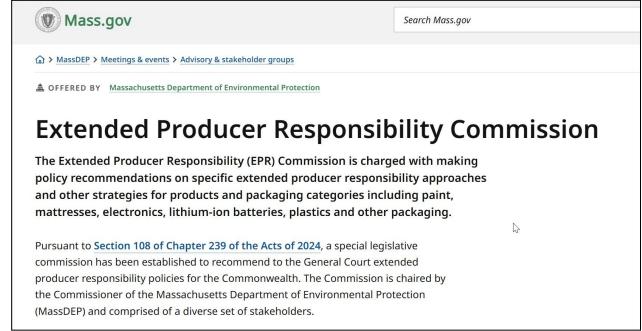


# Suggestions from May-2025 C&D Meeting Develop End Markets

- Continue exploring international markets for use of C&D wood chip as biomass fuel:
  - The Bruening Group, a German biomass import broker for EU markets;
  - Porte Belledune, NB, a Canadian shipping port for wood chip to biomass markets in EU and Asia
- Explore market development opportunities for large construction projects:
  - For example, \$2 billion Sagamore Bridge project represents a significant opportunity for use of recycled materials. Bourne Bridge to follow later. https://www.mass.gov/cape-cod-bridges-program
- Collaborate with Recycling Market Development Workgroup (established Jan-2022)

### Objective 4: Promote State Inter-agency Cooperation to Advance "Leading by Example"

- Optimize Regulatory/Policy Incentives
  - Develop generic BUD for coated concrete
  - 2. Explore management standards for extended producer responsibility (take-back) programs (e.g. gypsum wallboard, carpet, etc.); promote optimal end-of-life re-use and product stewardship
  - 3. Promote interagency cooperation "leading by example"



# Suggestions from May-2025 C&D Meeting Leading by Example

- Pursue opportunities with DCAMM for renovation contracts; make sure design specs include clause for reuse/recycling of construction materials
- Pursue opportunities with MassDOT:
  - ABC recycling,
  - Processed Glass Aggregate for Pozzolan

# Suggestions from May-2025 C&D Meeting Climate Change/GHG Emissions

 Reach out to Embodied Carbon Intergovernmental Coordinating Council to encourage interagency cooperation; invite ECICC representative to a future Subcommittee meeting to establish more direct connection with C&D stakeholder community

### Next Steps

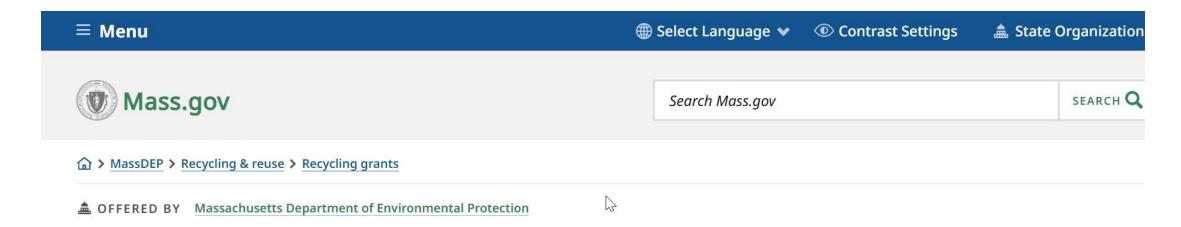
- October: evaluate suggestions for regulatory/policy/program feasibility and viability
- November: revise C&D Action plan with selected suggestions
- December: finalize and published revised C&D Action Plan on webpage

### Announcements

# Building Material Reuse & Deconstruction Workshop

- Day long, in-person workshop on October 23 in Boston
- Facilitated by <u>Sustainable Performance Institute</u>
- Gathering of practitioners to help define actionable next steps
- By invitation only: to ensure all targeted sectors are represented
- Discuss challenges and opportunities in Massachusetts
- Map out plan toward implementation
- Stay tuned!

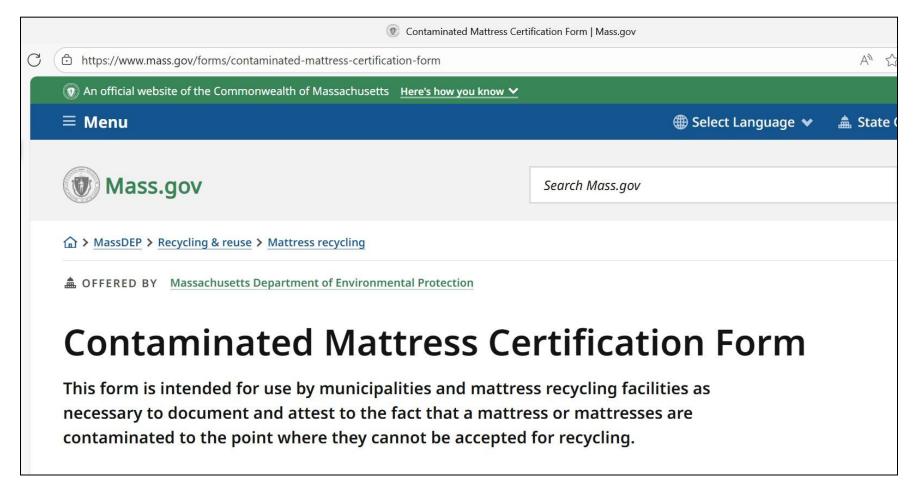
### Recycling & Reuse Business Development Grant Next Round Fall 2025 (ca. December)



### Apply for a Recycling & Reuse Business Development Grant

This program provides grants to Massachusetts businesses and non-profit organizations to expand recycling, reuse, and composting infrastructure in Massachusetts.

#### New link for Contaminated Mattress Form



### For More Information:

#### Point of Contact:

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- C&D Action Plan: <a href="https://www.mass.gov/doc/cd-action-plan/download">https://www.mass.gov/doc/cd-action-plan/download</a>
- C&D Materials Management webpage: <a href="https://www.mass.gov/lists/managing-construction-demolition-cd-wastes">https://www.mass.gov/lists/managing-construction-demolition-cd-wastes</a>
- C&D Subcommittee Webpage: <a href="https://www.mass.gov/info-details/massdep-construction-demolition-subcommittee">https://www.mass.gov/info-details/massdep-construction-demolition-subcommittee</a>