

# MassDEP C&D Subcommittee

One Winter Street, Boston

March 14, 2019 10:00 AM to 12:00 PM



# Agenda

- Welcome/Introductions
- C&D Action Plan Development
- Recurring Themes at Stakeholder Meetings
- RBDG C&D Target Material Suggestions
- Open Discussion

# CY2019 C&D Subcommittee Meetings

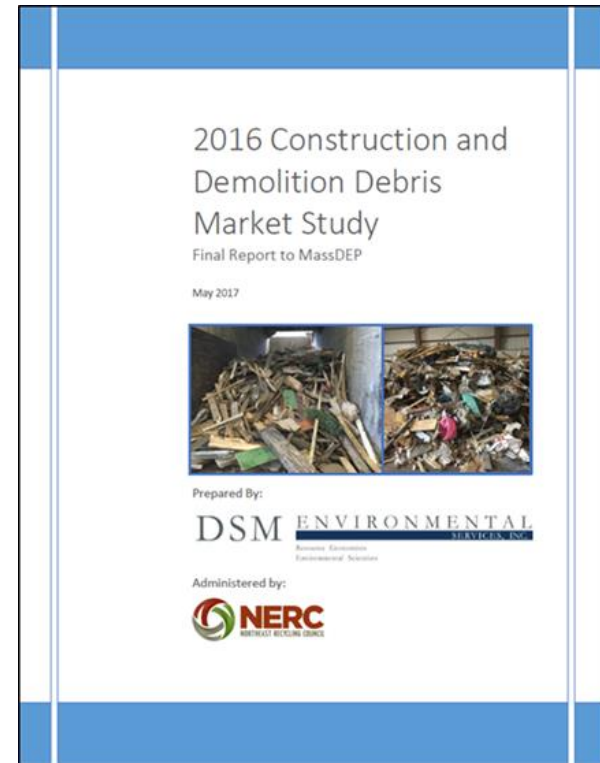
- Scheduled Dates:
  - Thursday, March 14
  - Tuesday, June 18
  - Wednesday, October 30
- All meetings available via Webinar
- C&D Action Plan development in 2019
  - Translate recurring themes into specific objectives
  - Incorporate C&D Action Plan into draft SWMP for public review and comment
- Final plan in 2020

The screenshot shows the Mass.gov website page for the MassDEP Construction & Demolition Subcommittee. The page header includes the Mass.gov logo, a search bar, and navigation links for LIVING, WORKING, LEARNING, VISITING & EXPLORING, and YOUR GOVERNMENT. The page is offered by the Massachusetts Department of Environmental Protection. The main heading is "MassDEP Construction & Demolition Subcommittee". Below this, a paragraph states: "This stakeholder group provides input to MassDEP on C&D material regulations, policies and programs." A descriptive paragraph follows: "Comprised of developers, C&D industry representatives, environmental consultants, solid waste facility operators and haulers, this working group of the Solid Waste Advisory Committee meets on a periodic basis." A link is provided: "See also: [Managing C&D Wastes](#)". The "Agenda & Meeting Materials" section lists two meetings: "Thursday, March 14, 2019, 10:00 a.m., MassDEP Headquarters" and "Tuesday, June 18, 2019, 10:00 a.m., MassDEP Headquarters". A "CONTACT" sidebar on the right includes "Construction & Demolition Subcommittee Questions", "Phone" (Contact Mike Elliott of MassDEP, 617-292-5575), and "Online" (michael.elliott@state.ma.us). A note at the bottom of the sidebar states: "The meeting location is wheelchair accessible. For special accommodations, contact:".

<https://www.mass.gov/service-details/masdep-construction-demolition-subcommittee>

# Development of C&D Action Plan

- Recurring themes emerging from CY2016-2018 stakeholder input
  1. Improve Jobsite Waste Management
  2. Enhance Collection & Processing
  3. Develop End Markets
  4. Promote interagency cooperation to advance “leading by example”



Source: 2016 C&D Debris Market Study  
(May 2017, DSM/NERC)  
<https://www.mass.gov/files/documents/2017/05/zp/2016study.pdf>

# Recurring themes emerging from CY2016-2018 stakeholder input

## 1. Improve Jobsite Waste Management

- Promote waste re-use, reduction and separation at the job site

Action No.	Proposal/Description	Comments
1.0	<u>Jobsite Waste Management</u> Promote waste re-use, reduction and separation at the job site	
1.1	Continue technical assistance programs through RecyclingWorks (RW)	Encourage and facilitate public and private demonstrations of successful material management practices and strategies (e.g. RW BMPs/Case Studies, etc.)
1.2	Promote source separated diversion programs such as ceiling tiles, gypsum wallboard, etc.; pilot use of split boxes; support material re-use stores, etc.	Emphasis on Waste Management Plan; Promote waste management hierarchy: reduce, reuse, recycle, recover energy, dispose; Encourage separation at the jobsite of certain materials that are either hard for processors to separate, or contaminate C&D process by-products (e.g. pressure treated wood, gypsum, etc.)
1.3	Encourage conformance to USGBC/LEED Green Building Standards	Support higher standards for C&D projects and improvements to materials-related elements of green building certification systems.

# Recurring themes emerging from CY2016-2018 stakeholder input

## 2. Enhance Collection & Processing – Improve C&D Facility Performance

Action No.	Proposal/Description	Comments
2.0	<u>Enhance Collection &amp; Processing</u> Improve C&D Facility Performance	
2.1	Establish Minimum Performance Standards (MPS) for C&D Processors	Require all Mixed C&D Waste loads to be processed at processors that meet MPS standard; Increase MPS criteria over time to improve performance
2.2	Provide financial investment to improve process efficiency and effectiveness (e.g. RLF, RBDG)	Encourage market development and equipment/technology improvements to recover highest and best use of C&D materials.
2.3	Improve implementation of C&D waste bans: Clarify definitions and standards; improve enforcement of existing WB;s evaluate adding new WB materials	Ensure a level “playing field”; Increase facility inspection frequency.

# Recurring themes emerging from CY2016-2018 stakeholder input

## 3. Develop End Markets

Action No.	Proposal/Description	Comments
3.0	<u>Develop End Markets</u>	
3.1	Expand existing wood markets	Improve ability to recover wood that meets or exceeds specifications for current markets.
3.2	Explore siting in-state energy generation facility that uses C&D biomass (either conventional technology or innovative technology)	Until able to demonstrate effective process of flawless recovery of clean wood, this is not a realistic objective. In near term, stay focused on refining methods to recover clean wood for existing markets.
3.3	Develop common C&D materials product specifications (improve reliability for end-markets)	Support efforts to encourage the use of products made from recovered materials
3.4	Identify outlets for C&D Fines	
3.4.1	Identify other BUD material uses; Explore technologies to sort into constituent parts, recover useful fractions, minimize waste fractions; Explore cement stabilization technologies (e.g. Re-crete™); Evaluate disposal in fly-ash monofill landfills	Research what other uses have been approved in other states
3.4.2	Identify shaping & grading material needs at future landfill closures	Develop master schedule of landfill closures throughout state and region

# Recurring themes emerging from CY2016-2018 stakeholder input

## 4. Optimize Regulatory/Policy Incentives

Action No.	Proposal/Description	Comments
4.0	<u>Optimize Regulatory/Policy Incentives</u>	
4.1	Develop generic BUD for coated concrete	In order to protect the most vulnerable land use anywhere in state, this would have to be very conservative; could render it impractical in most circumstances; site specific BUD approvals offer greater flexibility
4.2	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	Work with manufacturers and markets to determine environmental and other potential costs not reflected in prices (i.e. full cost of products).
4.3	Promote interagency cooperation “leading by example”:	
4.3.1	Continue dialogue with MassDOT for use of RAS, PGA, etc.	Encourage greater use of sub-base borrow spec for PGA; Explore pilot of RAS in Reclaimed Asphalt
4.3.2	Re-engage with DCAMM to ensure adherence to design and construction project specifications	Work with DCAMM to assess and build upon existing sustainable procurement policies and materials management programs
4.3.3	Approach DPS about amending building code to recognize waste disposal bans	Promote source separation at the jobsite; direct contractors to transport mixed C&D waste loads to permitted C&D handling facilities



# MassDEP Recycling Business Development Grant (RBDG) Program

RBDG: Intended to enhance waste reduction and recycling programs for Massachusetts based businesses.

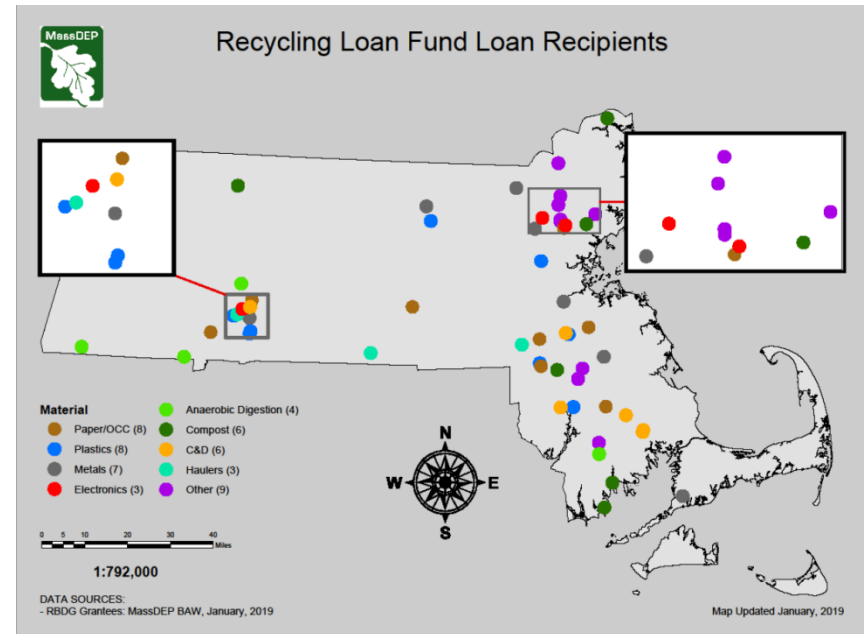
- Grants awards range from \$50K to \$400K for eligible projects
- Match: grantee must contribute 25% of project investment
- Performance based component extends over 18 – 24 months
- Application found at: <https://www.mass.gov/how-to/recycling-business-development-grants>

# RBDG C&D Target Materials

- Prior years
  - CY2017: C&D Wood and Bulky Rigid Plastic (2 grants awarded)
  - CY2018: C&D Wood - Clean Wood (4 grants awarded)
- Suggested target material for CY2019
  - Clean gypsum wallboard – processing for reuse/recycle?

# Recycling Loan Fund

- Revolving Fund
- Established 1995
- Capitalized \$5M (MassDEP)
- Administered by BDC Capital
- Provided 74 loans >\$16M
  - 6 C&D projects
- BDC website:  
<http://www.bdcnewengland.com/programs/massachusetts-recycling-loan-fund/>



# MassDevelopment Financial Programs

- [Tax-Exempt Bonds](#)  
Tax-exempt bonds to manufacturing and qualifying solid waste facilities.
- [Commercial Real Estate Loan](#)  
Loans and bank loan participations up to \$7,500,000 for facility acquisition, renovation, construction, and permanent financing of manufacturing property and buildouts
- [Equipment Loans](#)  
Loans or bank loan participations up to \$2,000,000.
- [Mortgage Insurance Guarantee](#)  
A guarantee to your bank, allowing you to receive a higher advance rate on a real estate loan.
- [Working Capital Loan Guarantees](#)  
Newest product allows banks to make larger working capital loans to manufacturing companies by providing a guarantee of up to 25% of the amount outstanding on a revolving line of credit.

**DISCUSSION/FEED-BACK...**

# For More Information:

## Point of Contact:

Mike Elliott

Asbestos/C&D Program Coordinator

MassDEP – Bureau of Air & Waste

One Winter Street

Boston, MA 02108

[michael.elliott@mass.gov](mailto:michael.elliott@mass.gov)

617-292-5575