

C&D Program Status

MassDEP SWAC Meeting

Via Zoom Webinar

October 27, 2022



C&D MINIMUM PERFORMANCE STANDARD

C&D Minimum Performance Standard 2030 SWMP Goals and Objectives

Simply put...

Ensure that every ton of C&D debris is processed at an MPS-compliant facility

- Level the playing field for all facilities
- Recover maximum value from recyclable/re-usable materials
- Separate all waste ban materials
- Minimize tonnage sent for disposal – “Reduce Leakage”

C&D MPS Performance Criteria

- C&D Processors:
 1. Achieve at least 15% Process Separation Rate (PSR) minimum threshold;
 2. Demonstrate that all banned materials are separated to the greatest extent possible.
- C&D Transfer Stations:
 - Transfer all C&D materials accepted to an MPS-compliant facility for further processing
 - Separate clean gypsum wallboard and Zero-Tolerance waste ban items prior to transfer

2022 C&D MPS Status

18 C&D Processors

- All but 2 facilities are fully MPS compliant
- Remaining 2 facilities installed new process lines
 - One facility completed installation and started new line in Mar-2022; still optimizing performance
 - Second facility completed installation and started testing new line in Sept-2022; optimization is underway
- Track MPS compliance through ongoing facility compliance inspections and annual reporting requirements

11 C&D Transfer Stations

- All facilities are fully MPS compliant
- One facility changed permit classification from processor to transfer station in May-2022.

BULKY WASTE STUDY

C&D Bulky Waste Study

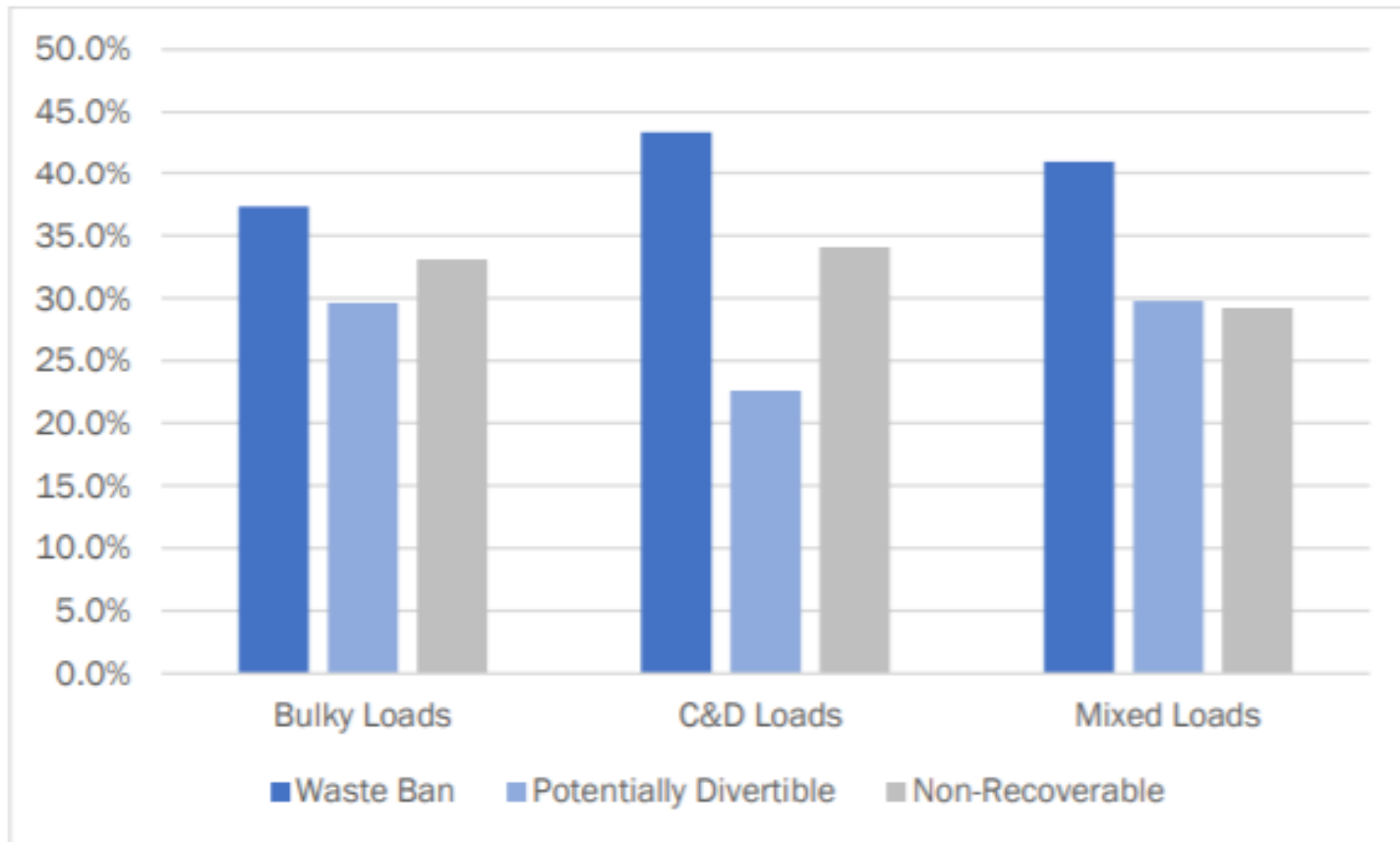
- Address industry concerns about including Bulky Waste in MPS Process Separation Rate Calculation
- Obtain clear data on percent of waste ban and other recoverable materials in bulky waste loads
- MassDEP engaged well-respected, independent consultant team – collaborative effort by CET & MSW Consultants

C&D Bulky Waste Study

- Conducted waste characterization study focusing on Bulky Waste (BW) (e.g., residential & commercial clean-out loads, etc.)
- Sampled 219 loads, over 400 tons, during 10 days in May-2022 at 5 C&D facilities with highest volume of BW
- Defined the composition of bulky waste loads by material category, and determined:
 - percentage waste ban materials or
 - percentage other recoverable materials.
- Issued final report June 30, 2022
(<https://www.mass.gov/doc/statewide-bulky-waste-characterization-study-june-2022/download>)

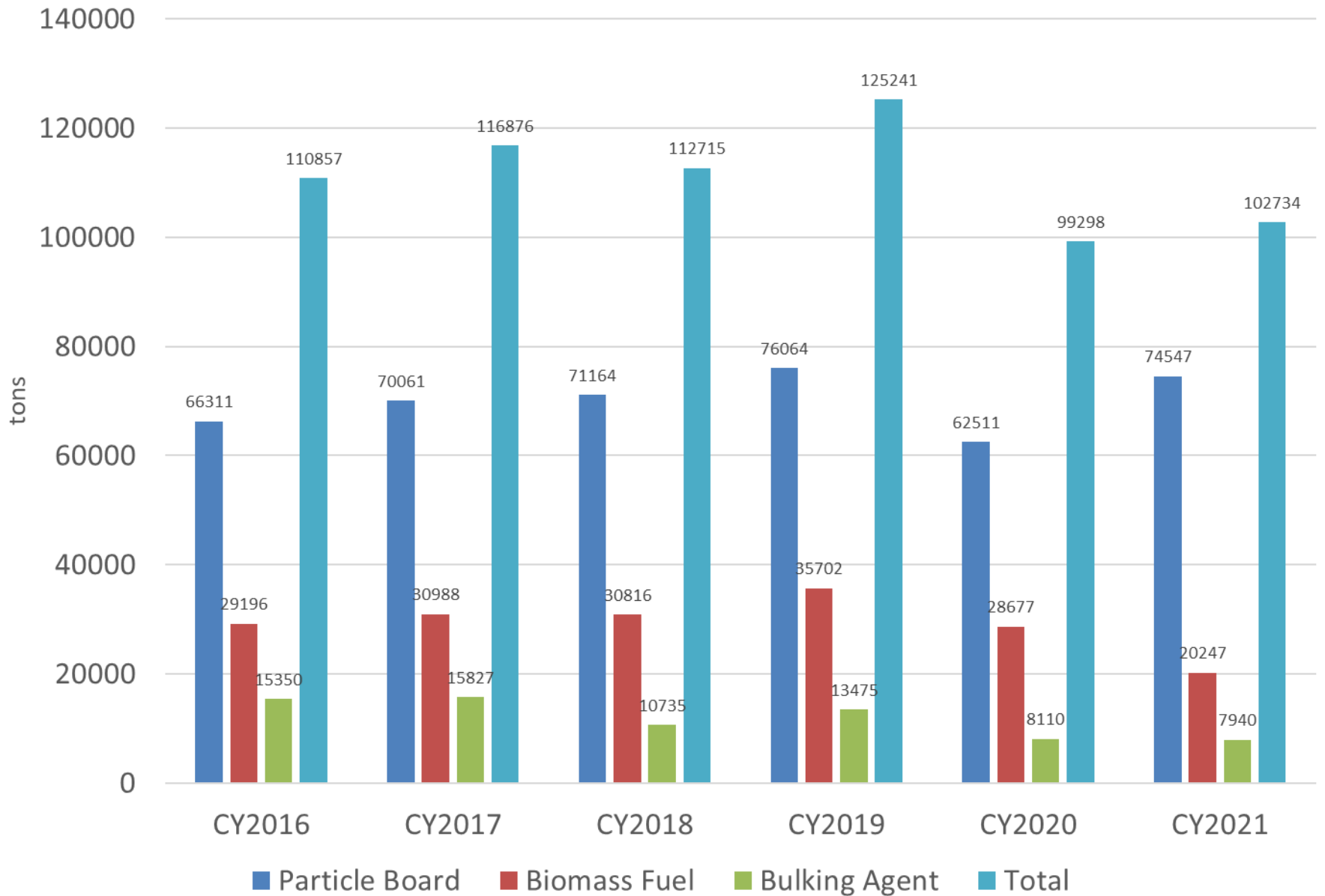
Summary of Bulky Waste Study Findings

Figure 4-7 Comparison of Composition by Waste Type



WOOD MARKETS

Wood Products Trend Chart 2016-2021



CY2022 C&D Wood Market Constraints

- PRE-Greenleaf, Plainfield, CT
 - Biomass boiler that accepts 20-25% of C&D wood product for energy resource recovery
 - Unscheduled shutdown due to turbine failure (5/27/2022)
 - Anticipated timeline to resume operation
 - Deliver repaired turbine (end of Dec-2022)
 - Start-up at reduced capacity (mid-Jan-2023)
 - Resume full capacity (Spring 2023)
- Impact on C&D Program
 - Affected 5 C&D Handling facilities under 2 companies
 - MassDEP issued 2 temporary waste ban waivers
 - » Allow disposal of limited quantities of wood
 - » Requires maximum use of existing markets and continual search for new markets

For More Information:

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