

# MassDEP C&D Subcommittee

Via Webinar

November 18, 2021

10:00 AM to 12:00 PM



# Agenda

- Welcome/Safety/Introductions
- Publication of 2030 Solid Waste Master Plan and Waste Ban amendments
- C&D Facility MPS Status
- Summary of CY2020 C&D annual reports
- C&D Industry Updates
- Announcements/Open discussion

# **PUBLICATION OF 2030 SOLID WASTE MASTER PLAN AND WASTE BAN AMENDMENTS**

# 2030 Solid Waste Master Plan

- Published 10/29/2021 (<https://www.mass.gov/doc/final-massachusetts-2030-solid-waste-master-plan-working-together-toward-zero-waste-october-2021/download>)
- Plan for adequate solid waste management capacity
- Establish aggressive waste reduction goals
  - 1.7 million ton reduction by 2030 (30% reduction)
  - 5.1 million ton reduction by 2050 (90% reduction)
- Emphasize reduction and reuse
  - First comprehensive Reduce & Reuse Workgroup & Action Plan
- Emphasize recycling market development
  - Similar Workgroup, Action Plan & Formation of New State Agency Council
- Enhanced public engagement, focused on EJ Communities

# SWMP Major Short-term Initiatives

- **Implement New Waste Disposal Bans**
- Update Organics Action Plan – Organics Subcommittee
- Publish Revised Reduce & Reuse Action Plan
- Issue **next round** of **Recycling Business Development Grants**
- Launch Recycling Market Development Workgroup
- Launch State Agency Recycling Market Development Council
- Develop and implement new Recycling and Waste Reduction Innovations Grant Program
- Prepare solid waste regulation amendments for public comment
- **Continue to implement C&D Minimum Performance Standard**

# New Waste Disposal Bans

- Final Regulations filed on 10/15/21 –published on 10/29/21
- Effective date of new bans will be 11/01/2022
  - **Revised Waste Ban Compliance Plans due 8/01/2022**
- Will include mattresses, textiles and reduced food waste threshold (from 1 ton to ½ ton per week)
- Changed definitions for mattresses and textiles to clarify that ban only applies to clean materials
- Will follow up with additional outreach and assistance to key stakeholder groups
  - Municipalities, businesses and institutions, service providers

# Recycling Business Development Grant

## 2021 Grant Cycle

- Targeted materials for the 2021 RBDG are:
  - Container glass: developing market outlets and uses for container glass sourced from MRFs
  - Furniture: reuse or recycling of household, business, or institutional furniture
  - **Construction & Demolition Materials: project proposals targeting cardboard, wood, metal or clean gypsum wallboard that will increase the process separation rate at C&D handling facilities**
  - Textiles: recycling of textiles such as clothing, clean footwear, bedding, towels, curtains, and fabric into new products.
  - Food Materials: use of source separated food scraps, with a particular focus on food material streams that may contain packaging or other contamination, for composting, intermediate processing to supply anaerobic digestion facilities, or similar processes
  - Mattresses: dismantling and recycling of mattresses at a processing facility
- 2021 applications are **due April 8, 2022 by 5:00pm.**
- Visit the MassDEP [RBDG webpage](#) or for more information about eligibility and material requirements, and a link to the application.

31 August 2021

# **C&D FACILITY MPS STATUS**



# C&D Minimum Performance Standard

## 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 MPS performance criteria:
  1. Achieve a 15% Process Separation Rate (PSR) minimum threshold;
  2. Demonstrate that all banned materials are separated to the greatest extent possible.
- Failure to satisfy either performance criterion constitutes a failure to comply with Waste Ban Regs and Waste Ban Compliance Plan
  - Cannot dispose or arrange for disposal of any C&D materials

Note: The MPS performance criteria are not applicable to a C&D Transfer Station that operates as follows:

- Transfers all C&D materials to an MPS-compliant facility for further processing
- Separates clean gypsum wallboard and Zero-Tolerance waste ban items prior to transfer

# Summary of C&D Facility MPS Status based on: CY2020 Operating Data & 2021 Compliance Plans

MPS Status	C&D Processors	C&D Lg. Transfer Stations
MPS Compliant as Processor – Meet both Performance Criteria	7	2
MPS Compliant as TS - transfer all C&D to MPS compliant processor	0	6
Conditionally Compliant as Processor: install new process line	2	2
Conditionally Compliant as Processor: make oper'l enhancements	2	4
Conditionally Compliant as TS: plan to transfer all C&D to MPS compliant processor	0	4
No longer accept C&D	1	0

# MPS Compliant as Processor

## Operating Conditions

- Demonstrated compliance with both MPS performance criteria
- Capable of producing C&D Residuals for disposal or transfer for disposal

## Covered C&D Facilities

- Casella-Holyoke TS
- Devens Recycling Center
- E.L. Harvey C&D Processing
- Lenox Valley WTF
- New England Recycling
- Raynham Regional Solid Waste Processing Facility
- RWS-Roxbury
- Stoughton Recycling
- UMM-Millbury

# MPS Compliant as Transfer Station

## Operating Conditions

- Demonstrated transfer of all unprocessed and partially processed C&D material to an MPS compliant facility
- **NOT capable of producing C&D Residuals for disposal or transfer for disposal**

## Covered C&D Facilities

- Bourne TS
- Harvey Recycling of Fitchburg
- Oxford TS
- Holliston TS
- S&J Exco
- Valley Recycling

# Conditionally MPS Compliant as Processor

## Operating Conditions

- Committed to comply with both MPS performance criteria by year end
- **Contingent on installation and operation of new process line**
- Submit monthly progress reports

## Covered C&D Facilities

- TBI
- Trojan Recycling (March 2022)
- UMM-Leominster TS
- Western Recycling

# Conditionally MPS Compliant as Processor

## Operating Conditions

- Committed to comply with both MPS performance criteria by year end
- **Contingent on operational enhancements**
- Submit monthly progress reports

## Covered C&D Facilities

- Champion City Recovery
- K&W Recycling
- NBWS-New Bedford
- New England Waste Disposal
- RWS-Ware
- Upper Cape RTS

# Conditionally MPS Compliant as Transfer Station

## Operating Conditions

- Committed to transfer all unprocessed and partially processed C&D material to an MPS compliant facility
- **NOT capable of producing C&D Residuals for disposal or transfer for disposal**
- Submit monthly progress reports

## Covered C&D Facilities

- Allied/Wood TS
- F.P. McNamara TS
- NBWS-Rochester
- NBWS-Sandwich



# No Longer Accepting C&D Material

## Operating Conditions

- Committed to stop accepting C&D materials altogether
- Submit monthly progress reports

## Covered C&D Facilities

- AKS Recycling

# Provisos for Conditionally MPS Compliant Facilities

- Must continue to comply with existing ATO Permit and Waste Ban Compliance Plan
  - May be subject to enforcement for failure to comply
- Monthly progress reports that fail to demonstrate MPS compliance must provide specific actions to improve operational performance

# C&D MPS Resources

The following resources can be found on the MassDEP webpage...

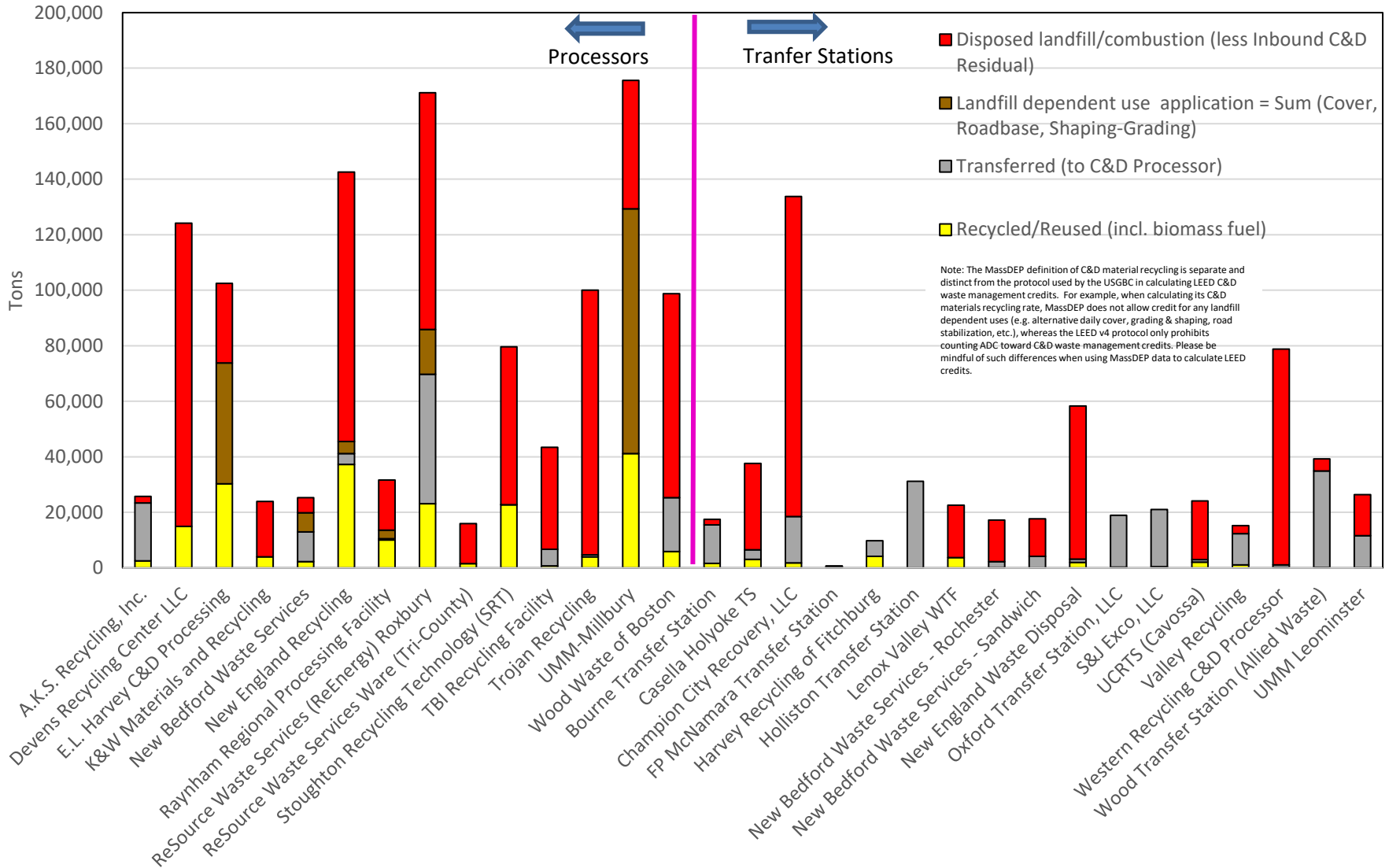
- Minimum Performance Standard for C&D Handling Facilities: <https://www.mass.gov/doc/minimum-performance-standard-for-construction-demolition-handling-facilities/download>
- C&D MPS Q&A Guidance: <https://www.mass.gov/doc/frequently-asked-questions-faq-minimum-performance-standard-for-cd-handling-facilities/download>
- Status of Facility Compliance with MPS (August 2021): <https://www.mass.gov/doc/status-of-facility-compliance-with-cd-minimum-performance-standard-august-2021/download>

# **SUMMARY OF CY2020 C&D ANNUAL REPORTS**

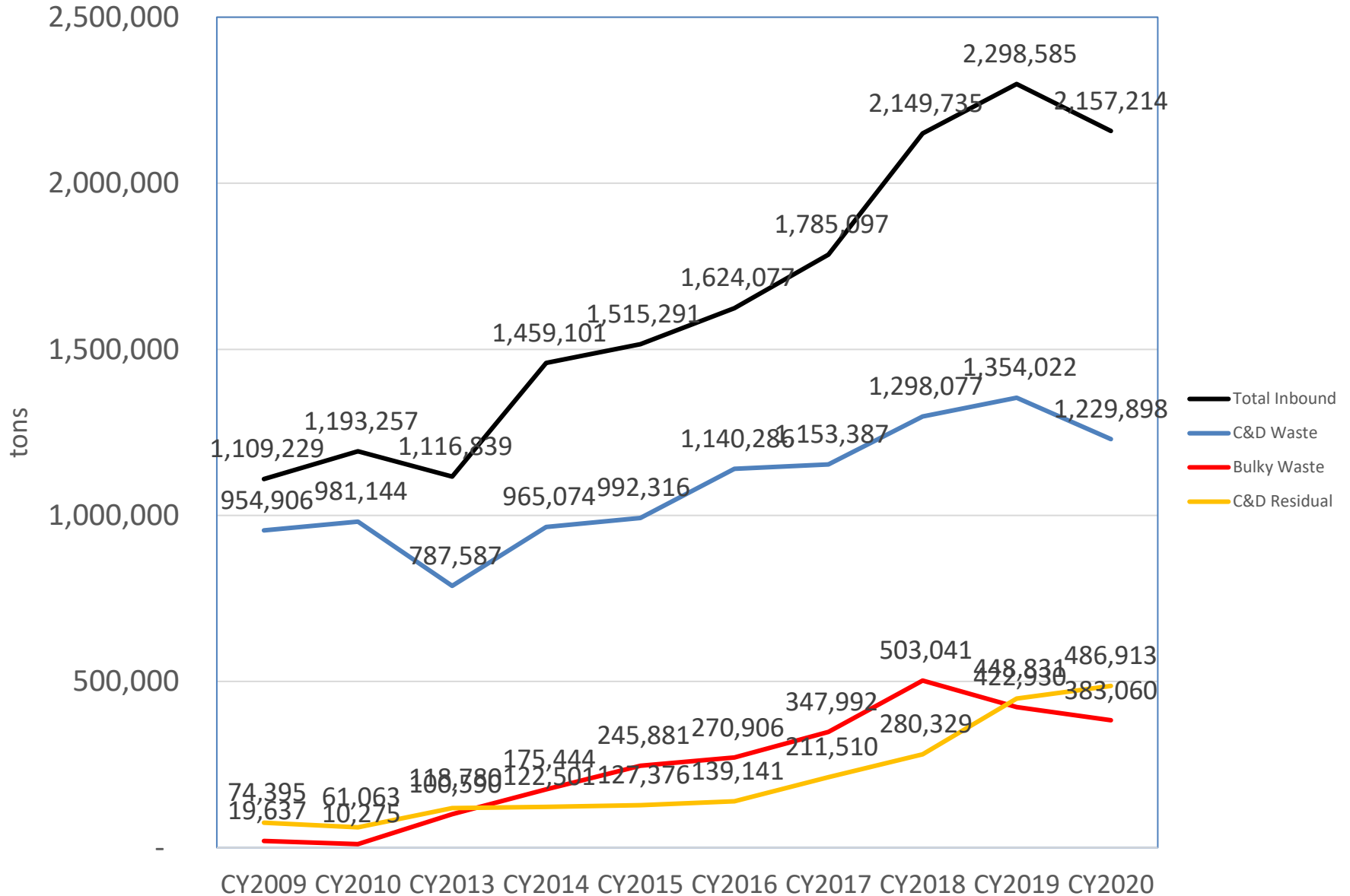
# - Massachusetts C&D Handling Facilities -

## Tons of C&D Accepted and Handled by Facility in 2020\*

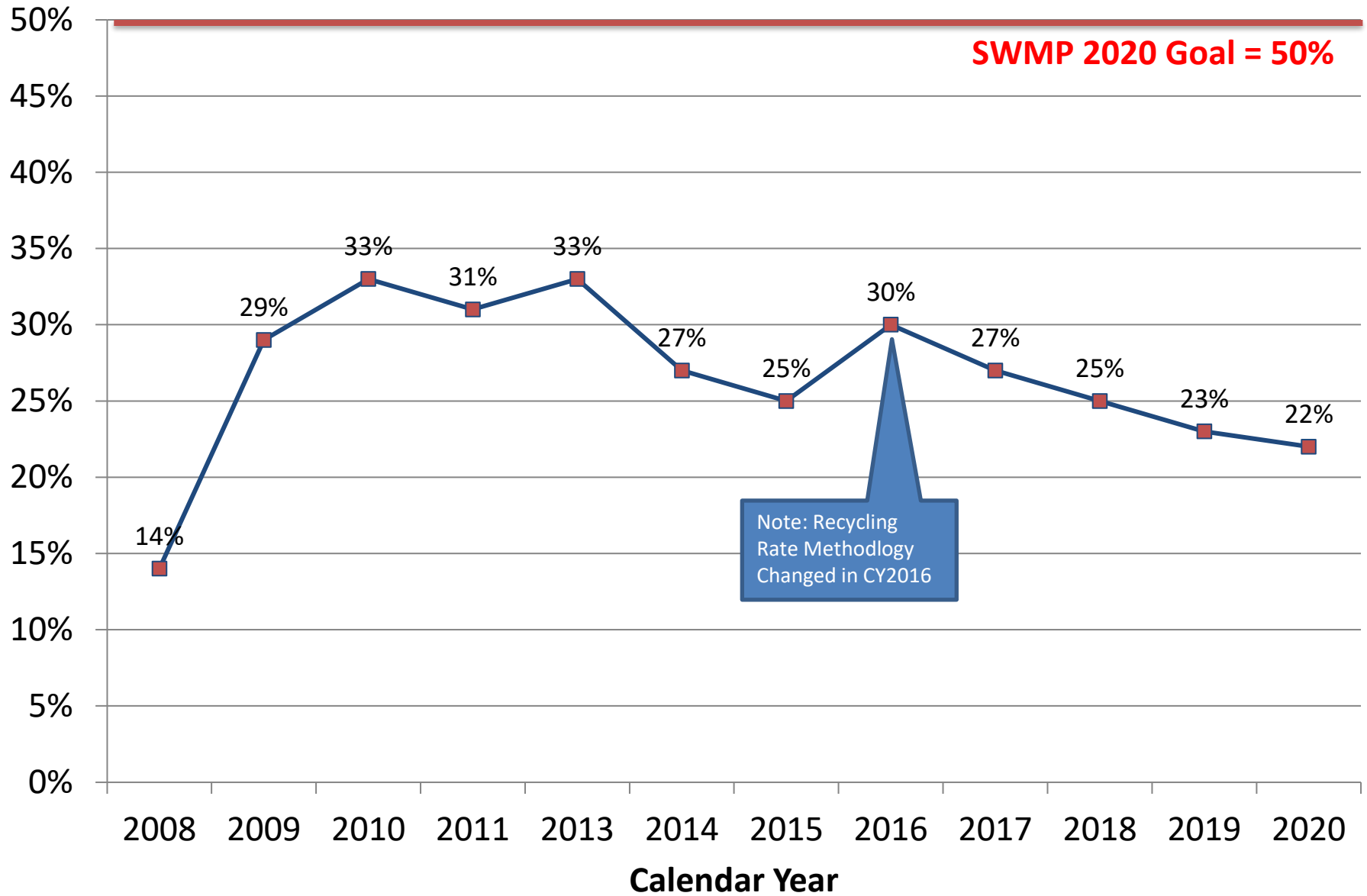
\*Quantities are "as reported" to MassDEP in CY2019 C&D Annual Facility Reports



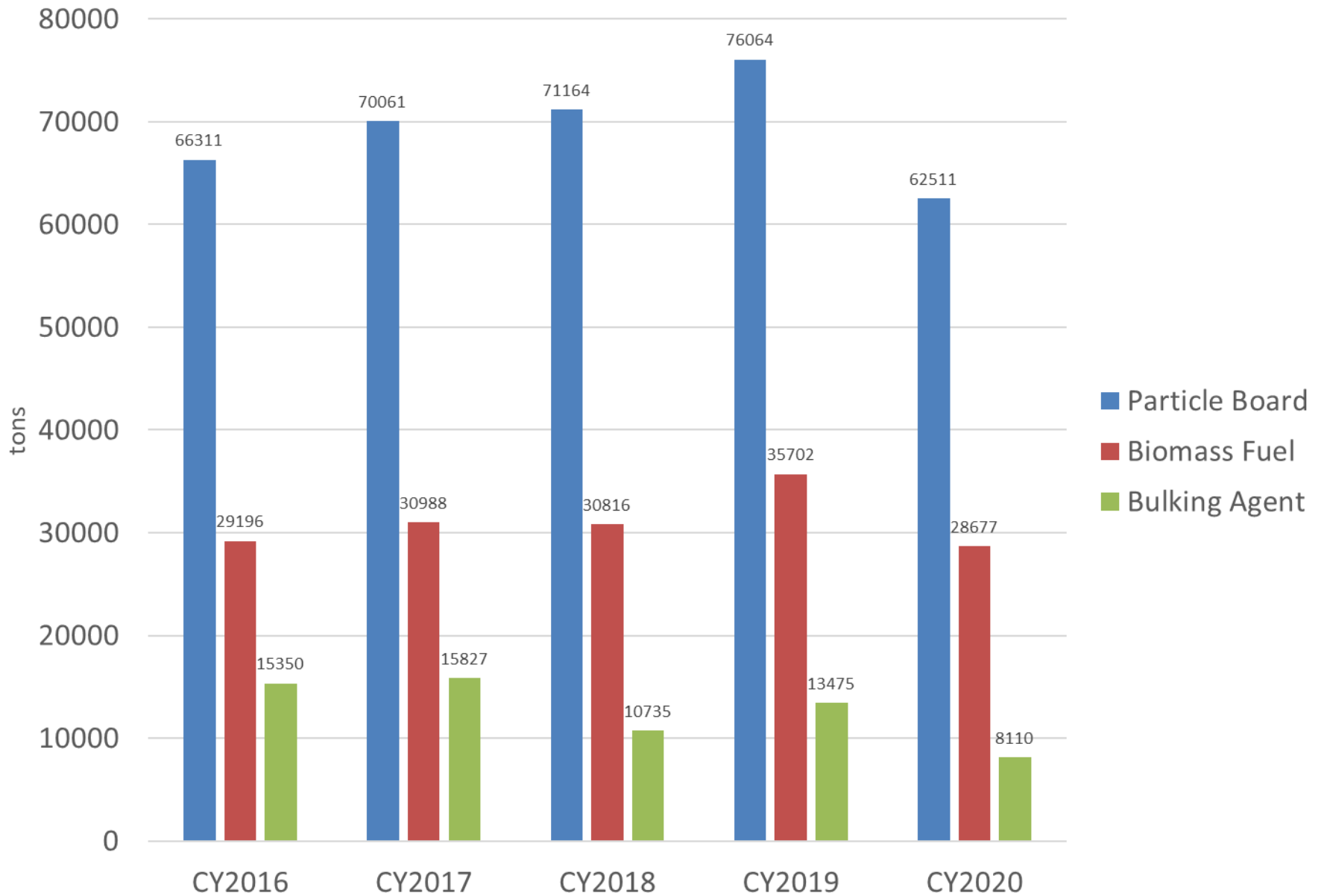
# Trend of Inbound Material Accepted Over Time



## C&D Annual Recycling Rate Trend Chart

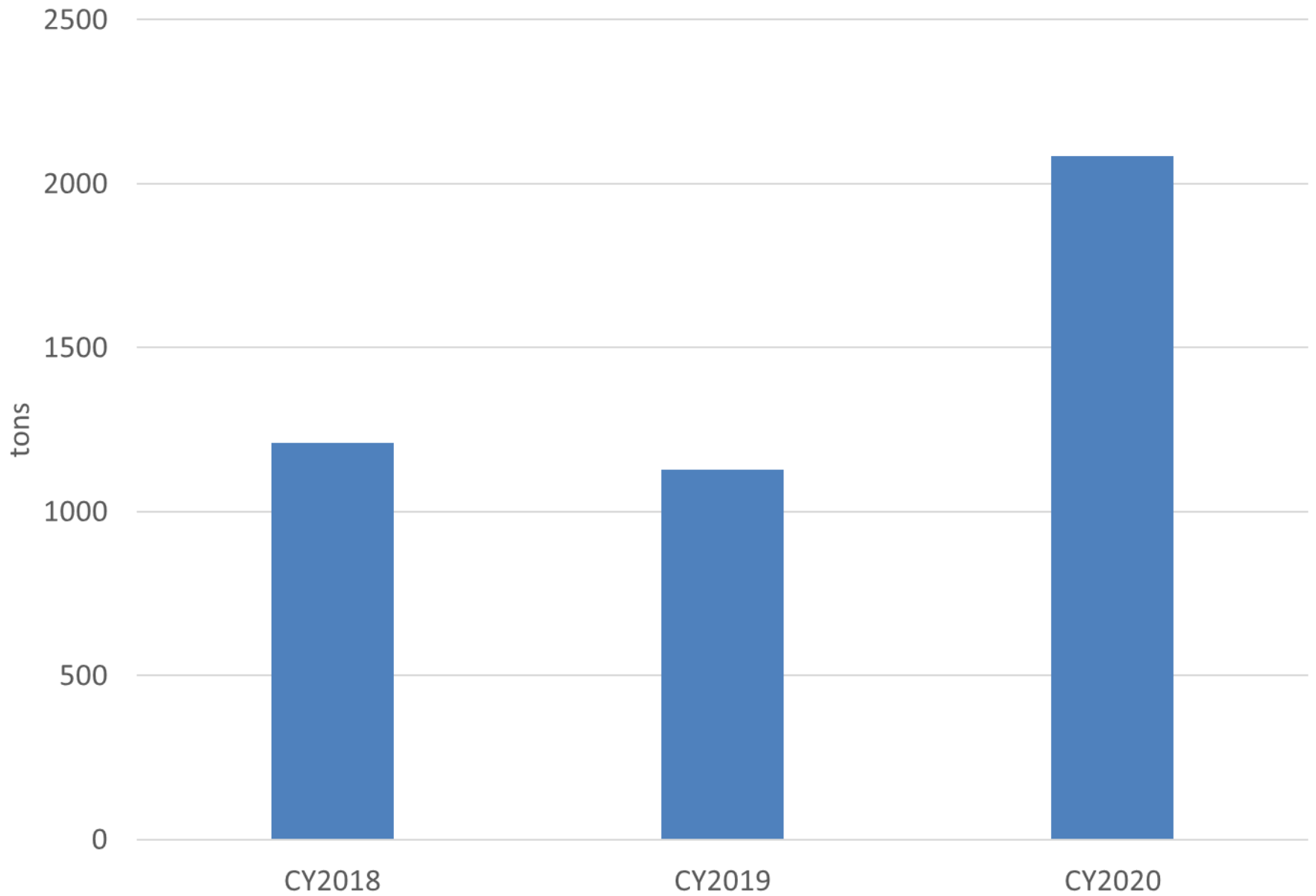


# Wood Products Trend Chart 2016-2020





Clean Gypsum Wallboard Separation Trend Chart 2018-2020



# **C&D INDUSTRY UPDATES**

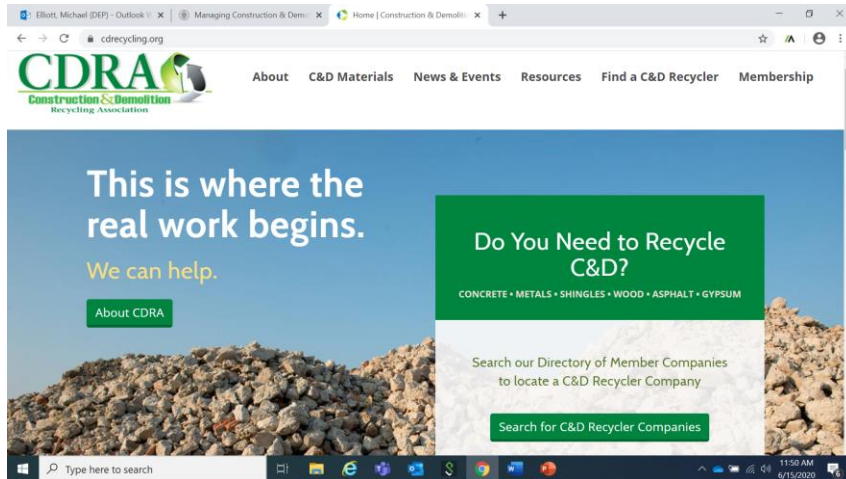
# C&D Industry Updates

- Tafisa wood market capacity
  - Temporary pause in pickup of processed wood chip
  - Conformance with A-wood quality specifications
  - Explore modes of transportation and packaging
- Any other updates?

# **ANNOUNCEMENTS/OPEN DISCUSSION**

# CDRA National Perspective

by Executive Director: Bill Turley (turley@cdrecycling.org)



<https://cdrecycling.org/>

- C&D Fines Processing
- Robotics for C&D
- Gypsum wallboard recycling
- Shingles recycling
- OSHA ETS
- Infrastructure Bill

# RecyclingWorks Resources for Construction & Demolition Materials

- [Find A Recycler Tool](#)
- [C&D Best Management Practices](#)
- [Technical Assistance](#)

Abbey Massaro  
(413) 348-1640  
[abbey.massaro@cetonline.org](mailto:abbey.massaro@cetonline.org)

RecyclingWorks Hotline  
(888) 254-5525  
[info@recyclingworksma.com](mailto:info@recyclingworksma.com)  
[recyclingworksma.com](http://recyclingworksma.com)



# Next Stakeholder Meeting

- EBCNE 16<sup>th</sup> Annual C&D Regional Summit
  - Virtual or In-person TBD
  - Doubletree Hotel, Westborough (reserved)
  - Friday, January 28, 2022



<http://ebcne.org/calendar/>

Any other business to discuss?



## 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 (office)

508-243-9087 (cell)