



**Welcome to
Northeast Resource
Recovery
Association's**

Summer Webinar Series

Need Professional Credits?



- Receive 1 hour of professional development credit from NRRRA for viewing this webinar.
- Webinars are recorded and made available for those who registered.
- Complete the survey at the end and connect with NRRRA.
- Continue your learning with webinars all summer long!
- Visit our new website at: nrrarecycles.org

For Registration:
nrrarecycles.org

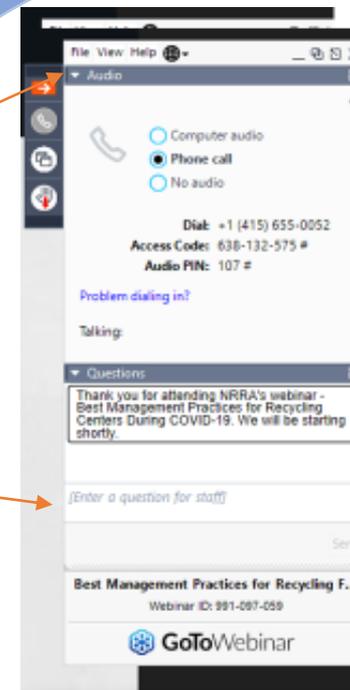
Educator/Community Track - Fridays 12:00 - 1:00 pm

Date	Webinar	Presenters
September 11, 2020	<u>Event Waste Reduction: Styling Your Event Recycling Plan</u>	Cindy Sterling, NRRRA



GoToWebinar Setting the Table

- You will not be able to be heard by the presenters or other participants on GTW.
- If you cannot hear the presenters, click on audio and computer audio. If that does not work, try clicking on phone call.
- We hope you ask questions and the presenters will answer them if time allows. Click on Questions and keep it short!



About NRRA

- Recycling nonprofit
- 400+ members, primarily municipalities
- Founded nearly 40 years ago



Northeast Resource
Recovery Association

Cooperative Marketing & Purchasing



- Enable communities to manage their own recycling programs
- 40 programs, including single stream and municipal solid waste
- Connect sellers of recyclables to purchasers



Education & Technical Assistance

- Workshops
- Facility tours
- Annual conference, webinars
- Technical assistance
- School Club programs





The webinar will begin soon!



Northeast Resource
Recovery Association

Mattress Recycling in Massachusetts:

How MassDEP Supports Municipalities & Businesses

Wednesday, September 9, 2020

Rachel Smith

SMRP Grant Program, MassDEP



Promoting Mattress Recycling

MassDEP fosters mattress recycling programs through two grant programs:

- Sustainable Materials Recovery Program (SMRP)
- Recycling Business Development Grants (RBDG)

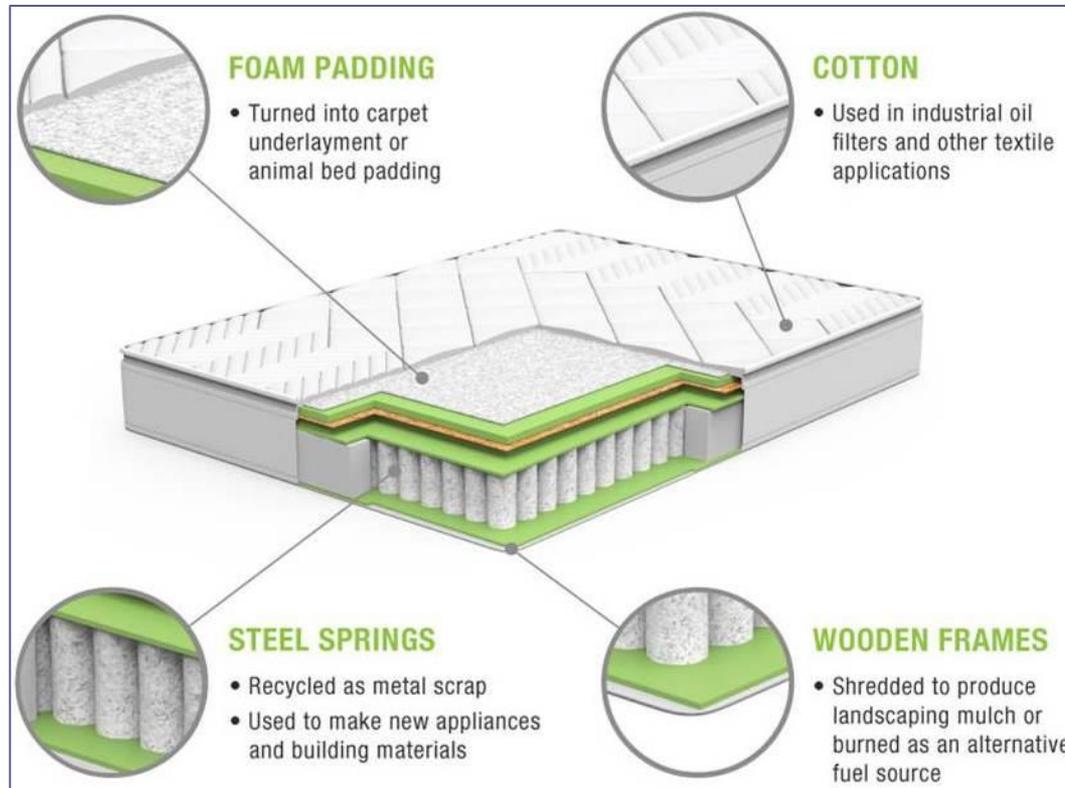
*We encourage reuse through donation when possible.

SMRP Grant Program

- Since the SMRP program started, MassDEP has awarded more than \$41M to more than 300 municipalities, regional authorities, and non-profits.
- The Mattress Recycling Initiative (MRI) was first offered to municipalities in 2015.

Why Mattresses

- Promote source separation of residential mattresses and box springs for recycling and reuse



Infographic courtesy of the Mattress Recycling Council (MRC)

State Contract

- 4 mattress recycling vendors on State Contract, which is available to any public entity in MA.
- Processing costs range from \$10-16/piece.
- Haul costs range from \$175-500+/container, depending on distance.
- FAC90: <https://tinyurl.com/y2sq6kuw>

Recycling Vendors

- Ace Mattress Recycling – West Warwick, RI
<https://acemattressrecycling.com>
- Green Mattress – Milford, MA
www.greenmattressco.com
- Raw Material Recovery – Gardner, MA
www.rawmatrec.com
- United Teen Equality Center – Lawrence, MA
<https://utec-mattress.org>

MRI Overview

- 2016 = 33 grantees
- 2017 = 3 grantees
- 2018 = 7 grantees
- 2019 = 19 grantees
- 2020 = 16 grantees
- Anticipated to start in 2021 = 27 applications (under review)

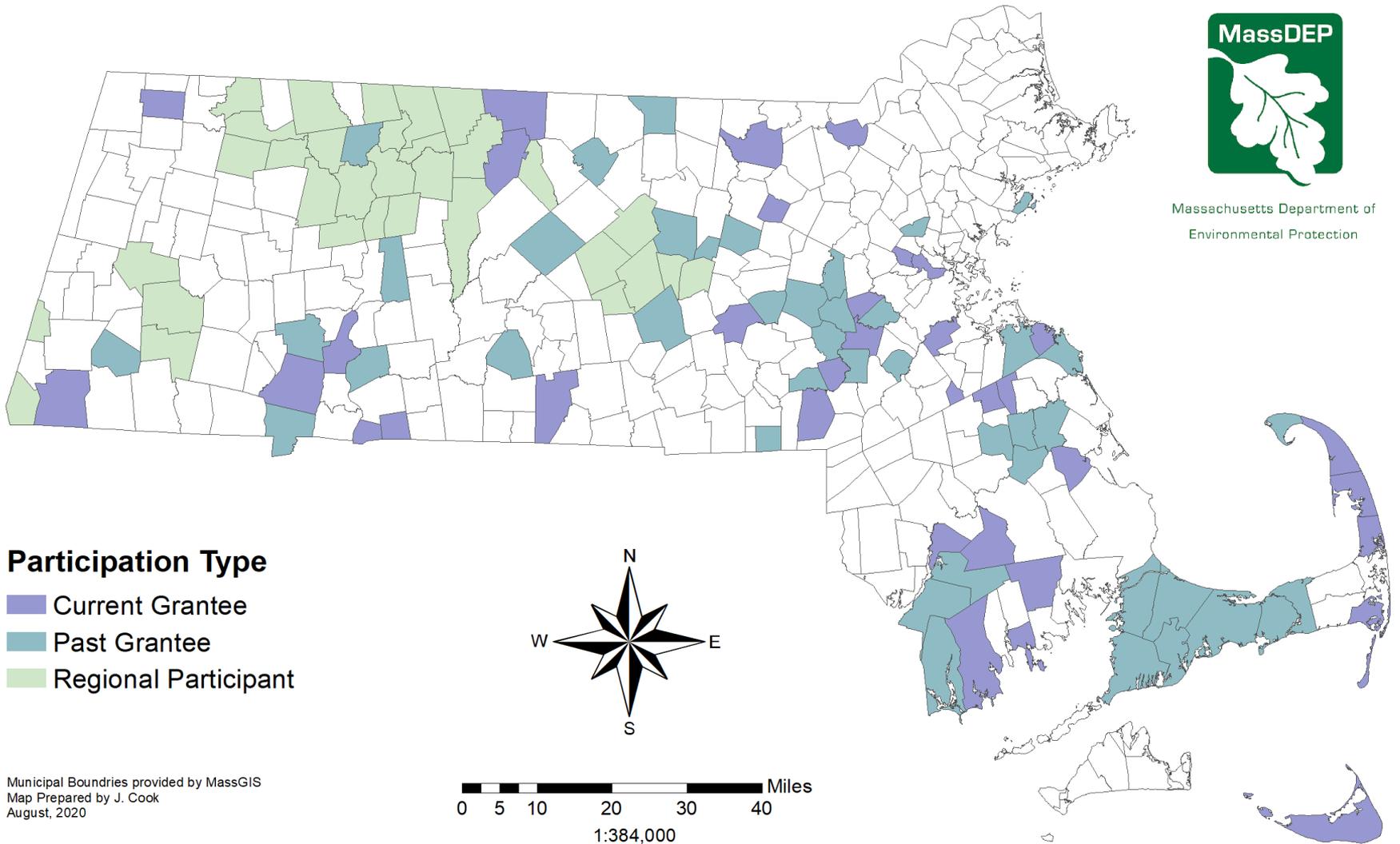
- Grantees are matched with a recycling vendor – MassDEP assigns them based on location and cost

- Grant provides (individual awards may vary):
 - Recycling services
 - Transportation services
 - Reimbursement for a collection container (up to \$7,500)

MRI Overview



Massachusetts Department of
Environmental Protection



Acceptable Mattresses

- Mattresses and box springs from residents only
- Twin, double, queen, king, and California king
- Traditional mattresses constructed out of metal, textiles, wood, and foam
- Full foam mattresses
- Crib mattresses
- Discolored or worn mattresses that are not wet



Unacceptable Mattresses

- Torn, punctured, soiled, or moldy items
- Twisted or crushed
- Wet or frozen pieces
- Infested with bed bugs, mice
- Futons and fold-out sofa beds
- Mattress pads and toppers
- Infant sleeping pads
- Air or water beds
- Other furniture or textiles



Loading Containers

- Low piece count = cost inefficiency
- Grantee is required to create procedures that support stacking efficiency and safety
- Underperformance may result in removal from program



Loading Containers

- Municipal employees should load or actively direct residents
- Do not stack or store mattresses outside of the container
- Track the number of units collected on the bill of lading (BOL)
- Collect payments, if applicable



Hauling Procedures

- Schedule a pick-up when the container is almost full
 - 2 days notice
 - Pick a time when an employee will be available to communicate with the hauler
- Complete a BOL; keep 1 copy for your records and give 1 to the driver

BILL OF LADING			
Sustainable Materials Recovery Program: Mattress Recycling Incentive Grant Program			
Municipality to Complete this Section - Keep a copy for your records and send the original along with the mattress shipment. The Receipt Information will be provided by the recycler.			
Municipality: _____			
Haul Date: _____			
Number of Mattress and Box Spring Units in Load: <input type="text"/>			
Collection Container Type (check one): <input type="checkbox"/> 40 yd. roll-off <input type="checkbox"/> 20 ft. sea container <input type="checkbox"/> 40 ft. sea container <input type="checkbox"/> 48 ft. trailer <input type="checkbox"/> 53 ft. trailer <input type="checkbox"/> other: _____			
Collection Site Certified Net Weight (if available): _____ lbs.			
The information provided here is to the best of my knowledge true, accurate and complete. All of the products described in this document were discarded by residents of my municipality (or other grantees, as assigned by MassDEP).			
_____ Name (print)	_____ Phone	_____ Signature	_____ Date
Recycling Vendor to Complete this Section - Keep a copy of the completed form for your records and submit the original to MassDEP. Each invoice submitted must include a Bill of Lading for each load.			
Company Name: _____			
Units Accepted for Recycling: _____			
Units Rejected/Disposed: _____; these units were (check one): <input type="checkbox"/> rejected at the collection site <input type="checkbox"/> received at the recycling facility			
Notes/Explanations of Discrepancies: _____ _____ _____			
The information provided here is to the best of my knowledge true, accurate and complete.			
_____ Name (print)	_____ Signature		_____ Date

Outreach

- Municipal Website
- Email Newsletters
- Social Media
- Hard Copy Mailers
- Signs
- Billboards
- Local Newspapers



Mattress Recycling

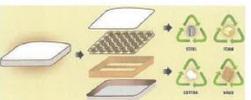


Did you know your old mattress can be recycled at the Hanson Transfer Station?

Mattresses and box springs contain materials that can be recycled including:



Steel
Cotton



Wood
Foam



What can be recycled?
- Mattresses of any size
- Box Springs of any size
Items must be in good condition, and not ripped / torn / moldy/ water damaged

What is the cost?
- \$15 per item*



The Town of Hanson has partnered with UTEC mattress recycling company, and with the assistance of MassDEP is able to provide a reduced cost mattress disposal to Hanson residents. Landfills in Massachusetts are rapidly running out of space and as a result municipalities need to focus on ways to reduce solid waste. Approximately 85% of contents of mattresses and box springs can be recycled. With recycling programs, such as this one, a large quantity of mattresses can stay out of the landfills and be saved from incineration, which will help to curb greenhouse gasses. In order to provide easier disposal, Hanson has a special container at the transfer station used solely for the disposal of mattresses that qualify for recycling.

* A trip ticket from the BOH is required
If a mattress or box spring cannot be recycled, it can still be disposed of at the Hanson Transfer Station for a cost of \$30.

Recycle Right

Cambridge's curbside recycling continues to be recycled despite challenges in the industry. But, costs have increased. Help us reduce costs by cleaning up contamination in your recycling.

Remember:

-  No Bagged Items
No Garbage
-  No Plastic Bags,
Films or Wrappers
-  No Tangles
(no hoses, wires,
hangers or electronics)
-  No Clothing
or Linens
(donate)

Mattress Recycling

Beginning April 8, mattresses and box springs will no longer be trashed. The City has partnered with a nonprofit to collect and recycle mattresses at no cost to residents. To schedule your free collection visit CambridgeMA.Gov/Mattress.

Get Rid of It Right

Wondering how to dispose of an item? Download the "Zero Waste Cambridge" app or visit CambridgeMA.Gov/Recycle.

Citywide Composting Turns One!

Thank you for joining in this effort.
CambridgeMA.Gov/Compost

Stay updated on your waste services:
Subscribe to Recycling's monthly e-newsletter at CambridgeMA.Gov/Subscribe.

MRI Program Results

- More than 89,500 mattresses have been recycled through the MRI program.
- Approximately 246.3 tons of material diverted from disposal.
- MassDEP has spent more than \$1.79 million in grant funding for this program.

Data compiled as of August 1, 2020

RBDG Program

- Since the RBDG program started in 2016, MassDEP has awarded almost \$4M to 24 businesses, institutions, and other organizations.
- Funding for businesses implementing mattress processing and recycling projects were awarded in 2016 and 2019, and is an eligible activity for the 2020 grant cycle.

RBDG Equipment

- Trucks
- Roll-off containers
- Trailers
- Heating equipment



RBDG Equipment

- Forklifts
- Pallet jacks
- Rolling bins
- Straps
- Work tables
- Tools

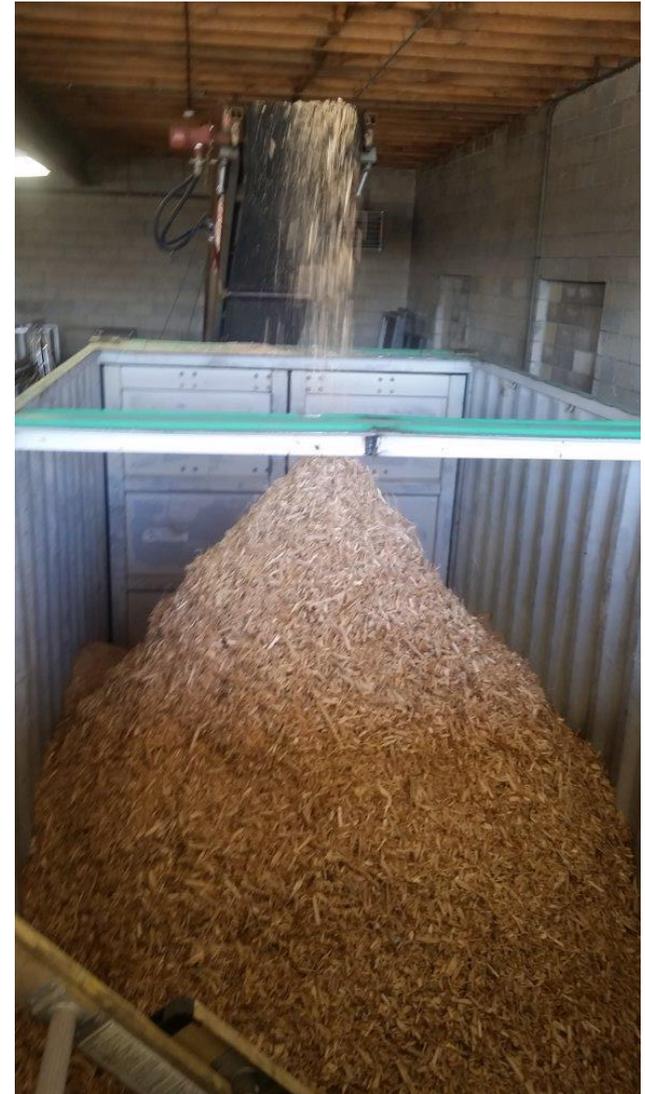


RBDG Program Results

- Wood shredder with a magnet system
- Balers
- Compactors



Wood Shredder



Proposed Waste Ban

- Estimate that 600,000 mattresses are generated per year (~200,000 residential) – equivalent to 16,000 tons.
- Currently recycling more than 50,000 units/year (not including commercial).
- About 90 municipalities are currently recycling mattresses.

Proposed Waste Ban

- Current recycling capacity is estimated at about 300,000 pieces per year – but is steadily growing.
- Difficult to manage at disposal facilities.
- Often disposal surcharges are a comparable amount or even greater than recycling costs.

Proposed Waste Ban

- Solid Waste Master Plan is currently in a second round of public comment period.
- At the same time, we are developing draft regulations for these waste disposal bans.
- Anticipated effective date of Fall 2021.

Contact Info

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www.mass.gov/service-details/mattress-recycling



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"Protecting the Environment and Ozone Layer for the Future of Our Children"

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United States Department of Agriculture
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**Northeast Resource
Recovery Association**

Summer Webinar Series- Coming Next



Event Waste Reduction: Styling Your Event Recycling Plan

Presenters: Cindy Sterling, Grants Manager and Senior Educator at NRRA; Ben Perham, Educational Assistant at NRRA.

Friday, Sept. 11

12:00-1:00 pm

