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bye bye mattress®

A Program of the Mattress Recycling Council®

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06/30/2020

CONNECTICUT ANNUAL REPORT

SUBMITTED BY

Mattress Recycling Council Connecticut, LLC

501 Wythe Street

Alexandria, VA 22314

SUBMITTED TO

Connecticut Department of Energy

& Environmental Protection

79 Elm Street

Hartford, CT 06106

SUBMITTED ON

October 15, 2020

Mattress Recycling Council®



This year, MRC's Connecticut Bye Bye Mattress program collected **189,492** mattresses and diverted **3,403** tons of material from disposal.

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The mattress industry created the Mattress Recycling Council (MRC), a nonprofit organization, to develop and administer the **Bye Bye Mattress** program.

EXECUTIVE SUMMARY & DEFINITIONS

EXECUTIVE SUMMARY & DEFINITIONS

Pursuant to Section 2(j) of Connecticut Public Act 13-42, as amended (the law), as codified at Sections 22a-905a, et seq. of the Connecticut General Statutes, the Mattress Recycling Council Connecticut, LLC (MRC) submits to the Connecticut Department of Energy and Environmental Protection (DEEP) this annual report. The report provides the requested data on the results that MRC achieved in administering the Connecticut mattress stewardship program (the program) during the state's 2020 Fiscal Year (July 1, 2019 to June 30, 2020) (the reporting period).

OVERVIEW OF MATTRESS RECYCLING COUNCIL CONNECTICUT, LLC

The law requires that mattress producers form a "council" that develops a statewide program to collect mattresses and box springs (collectively units) discarded in Connecticut. The law also provides that the program will be funded through a visible fee collected from consumers and other purchasers on all mattresses and box springs sold in the state.

The International Sleep Products Association created the Mattress Recycling Council (the Council), a nonprofit organization under Section 501(c)(3) of the Internal Revenue Code of 1986, to develop and administer the program. On July 1, 2014 the Council submitted a plan to DEEP outlining how the program would meet the law's requirements and proposed initial performance goals. DEEP approved this plan on December 31, 2014 and the program officially began operating on May 1, 2015. The Council proposed revised performance goals in September 2016 based on the program's performance during its initial year, which DEEP accepted on November 2, 2017.

In addition to Connecticut, the Council administers statewide mattress recycling programs in two other states – California and Rhode Island. In each of these states, the Council has developed a statewide network of mattress collection and recycling locations, increased the number of units recycled, and educated consumers, retailers and other stakeholders about that state's mattress recycling program.

Effective July 1, 2017, the Council created for each state program a limited liability company in which the Council is the sole member. The Council then transferred all functions related to the Connecticut program to the Mattress Recycling Council Connecticut, LLC (MRC).

In promoting the program to consumers, MRC has branded itself as "Bye Bye Mattress."

PROGRAM OBJECTIVES

MRC has designed and implemented the program to accomplish the following:

- Collect a mattress stewardship fee that funds the cost of operating and administering the program
- Provide for free and accessible statewide opportunities for residents to discard their used mattresses
- Provide for free collection of discarded mattresses from municipal transfer stations
- Provide transfer stations with suitable storage containers and transportation of discarded mattresses
- Provide for MRC-financed end-of-life recycling of mattresses
- Minimize public sector involvement in the management of discarded mattresses

PROGRAM PERFORMANCE HIGHLIGHTS

The law required MRC to establish goals to measure the program's performance. During the reporting period, MRC achieved or is on pace to achieve most of these goals. Highlights of the program's fifth year include:

- Collected 189,492 mattresses and recycled 3,403 tons of material, a 2.9% increase in units and 14.8% increase in tons of material from the previous reporting period

- Increased the recycling rate by 6 percentage points to 73% - our highest recycling rate yet and largest year-over-year gain – and multiple research efforts are underway to spur further progress

- Provided local access through sites and events to 136 of Connecticut's cities and towns, representing 97.7% of the population

- Surpassed the annual goal to collect more than 30,000 mattresses from retailers by over 3,000 units

- Increased educational facility participation to 29 campuses and recycled 4,681 units from these sources

- Registered eight new volume reduction facilities, resulting in over 16,000 units (equal to nearly 500 tons of mattresses and box springs) being diverted from the waste stream

REPORT OVERVIEW

Pursuant to Section 2(j) of the law, this annual report contains the following information:

1. The tonnage of mattresses collected pursuant to the program from:
    i. Municipal transfer stations
    ii. Retailers; and
    iii. All other covered entities;

2. The tonnage of mattresses diverted for recycling;

3. The weight of mattress materials recycled, as indicated by the weight of each of the commodities sold to secondary markets;

4. The weight of mattress materials sent for disposal at each of the following:
    i. Waste-to-energy facilities;
    ii. Landfills; and
    iii. Any other facilities;

5. A summary of the public education that supports the program;

6. An evaluation of the effectiveness of methods and processes used to achieve performance goals of the program;

7. Recommendations for any changes to the program.

DEFINITIONS

The following terms defined in Section 1 of the law are relevant to the Report:

"Covered Entity" means any political subdivision of the state, any mattress retailer, any permitted transfer station, any waste-to-energy facility, any healthcare facility, any educational facility, any correctional facility, any military base or any commercial or non-profit lodging establishment that possesses a discarded mattress that was discarded in this state. Covered Entity does not include any renovator, refurbisher or any person who transports a discarded mattress.

"Foundation" means any ticking-covered structure that is used to support a mattress and that is composed of one or more of the following: constructed frame, foam or box spring.

"Foundation" does not include any bed frame or base made of wood, metal or other material that rests upon the floor and that serves as a brace for a mattress.

"Mattress" means any resilient material or combination of materials that is enclosed by ticking, used alone or in combination with other products, that is intended for or promoted for sleeping upon.

"Mattress" includes any foundation and any renovated mattress.

"Mattress" does not include any of the following:

(A) An unattached mattress pad or unattached mattress topper, including any item with resilient filling, with or without ticking, that is intended to be used with or on top of a mattress;

(B) A sleeping bag or pillow;

(C) Car bed;

(D) Juvenile products including: a carriage, basket, dressing table, stroller, playpen, infant carrier, lounge pad, crib bumper or the pads for those juvenile products;

(E) A product that contains liquid- or gaseous-filled ticking including any water bed or air mattress that does not contain upholstery material between the ticking and the mattress core;

(F) Any upholstered furniture that does not contain a detachable mattress

"Mattress Stewardship Program" or **"program"** means the statewide program described in Section 2 of the Act and implemented pursuant to the mattress stewardship plan.

"Producer" means any person who manufactures or renovates a mattress that is sold, offered for sale or distributed in the state under the manufacturer's own name or brand. "Producer" includes:

(A) The owner of a trademark or brand under which a mattress is sold, offered for sale or distributed in this state, whether or not such trademark or brand is registered in this state; and

(B) Any person who imports a mattress into the United States that is sold or offered for sale in this state and that is manufactured or renovated by a person who does not have a presence in the United States;

"Recycling" means any process in which discarded mattresses, components and by-products may lose their original identity or form as they are transformed into new,

usable or marketable materials. “Recycling” does not include as a primary process the use of incineration for energy recovery or energy generation by means of combustion.

“Renovate” or **“renovation”** means altering a mattress for the purpose of resale and includes any one or a combination of the following: replacing the ticking or filling, adding additional filling, rebuilding a mattress or replacing components with new or recycled materials.

“Renovate” or “renovation” does not include the:

(A) Stripping of a mattress of its ticking or filling without adding new material;

(B) Sanitization or sterilization of a mattress without otherwise altering the mattress; or

(C) Altering of a mattress by a renovator when a person retains the altered mattress for personal use, in accordance with regulations of the department of business regulation

“Renovator” means a person who renovates discarded mattresses for the purpose of reselling such mattresses to consumers.

“Retailer” means any person who sells mattresses in this state or offers mattresses in this state to a consumer.



MRC's education and outreach efforts are designed to inform consumers, mattress retailers and other stakeholders about the **Bye Bye Mattress program,** that the fee is mandated by state law, why the fee is needed, what the fee funds, how to recycle through the program and that some parties have obligations.

EDUCATION & OUTREACH

EDUCATION & OUTREACH

MRC's education and outreach efforts are designed to inform consumers, mattress retailers, producers and other stakeholders:

- About how the program operates, what MRC has accomplished and the impact it is making in the state
- How and where to recycle discarded mattresses and why it is beneficial
- Why the recycling fee is needed and what it funds
- The legal obligations the mattress industry must fulfill and how various parties are affected

To reach these audiences, MRC uses a wide array of communications and marketing methods including: targeted direct mail and printed collateral, advertising and media relations, digital marketing and social media, site visits and participation in community and industry events. MRC has trademarked the names "Mattress Recycling Council" and "MRC" for use with industry and non-consumer stakeholder audiences, and "Bye Bye Mattress" as its consumer-facing identity.

This approach aligns with MRC's Connecticut program education and outreach performance goals:

- Distribute point-of-sale materials that explain the purpose of the recycling fee to consumers
- Identify non-compliant Connecticut mattress retailers, require them to register with MRC and collect and remit the fee
- Continue to conduct stakeholder meetings for each covered entity subgroup and other interested parties
- Contact and visit stakeholders to educate them about the benefits and obligations of program participation

An evaluation of MRC's achievement of these goals is discussed in further detail in the **Goals & Methods Evaluation** section.

This section is to provide a full description of all the methods MRC uses to communicate to consumers and the industry.

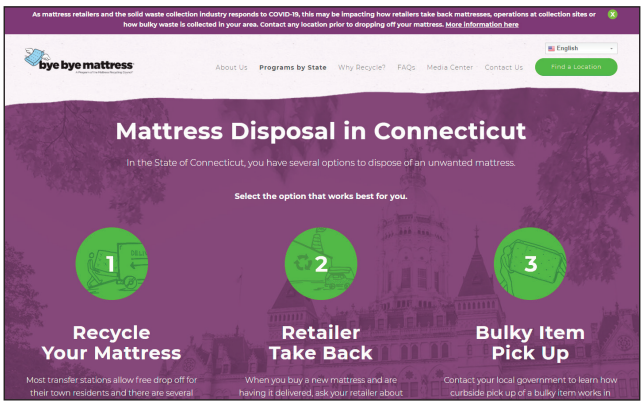
CONSUMER EDUCATION

To build awareness of Bye Bye Mattress in Connecticut, MRC provided consumer education materials to retailers to use with their customers, promoted the program through a public service announcement (PSA) and media opportunities, assisted collection sites and events with communicating to their residents and maintained a presence on social media. Each of these tactics encouraged consumers to visit ByeByeMattress.com to learn how to recycle in their area.

To monitor the effectiveness of this strategy, MRC planned to conduct its annual consumer awareness survey in April 2020, but this was disrupted due to the COVID-19 pandemic. MRC will resume measuring consumer awareness in 2021.

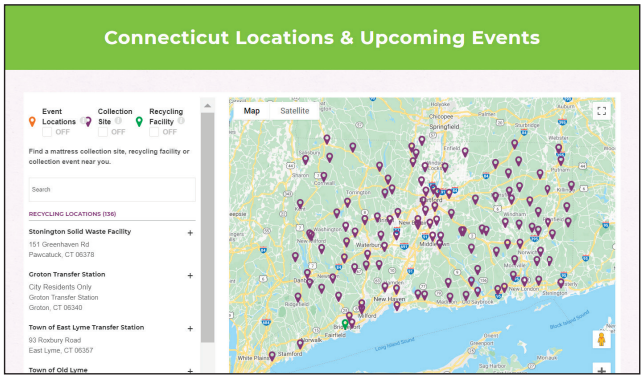
BYEBYEMATTRESS.COM

Consumers can easily find no-cost recycling locations in Connecticut and information about the recycling fee and program on ByeByeMattress.com. In October 2019, MRC updated the site to include a bulky item directory, which is a listing of the cities and towns that offer their residents at least one free curbside bulky item pickup each year.



BYEBYEMATTRESS.COM

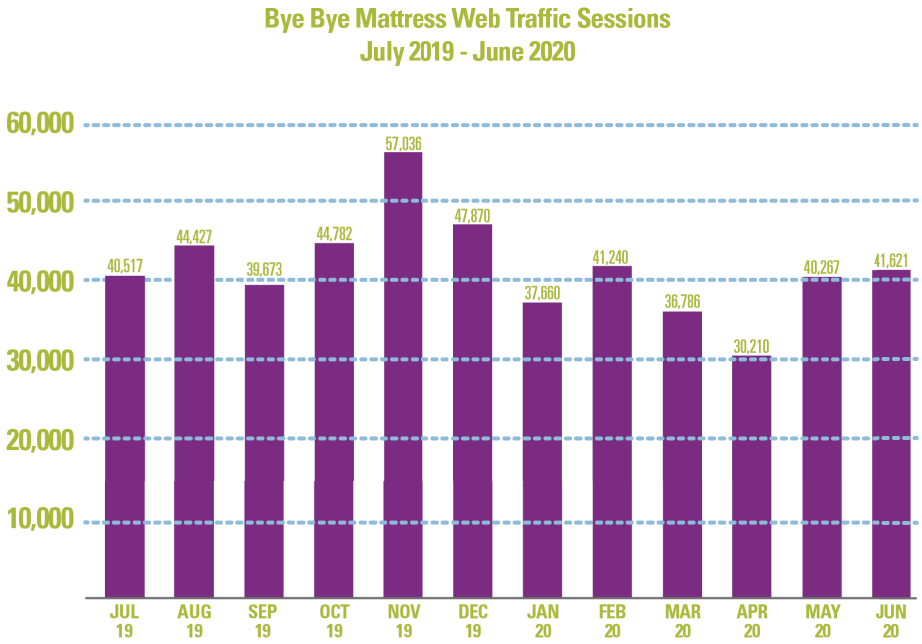
Although most consumers visit Bye Bye Mattress to access the recycling locator or bulky item directory, the site is also a platform for educating the public about the mattress recycling process and its environmental benefits.



BYEBYEMATTRESS.COM

MRC promotes ByeByeMattress.com through consumer education materials, PSAs, advertising, media relations and social media. DEEP's "What Do I Do With..." directory and RecycleCT.com also promote the program and how to recycle mattresses in each city or town.

During the Reporting Period, 491,973 users visited ByeByeMattress.com generating 627,493 sessions. This is a growth of 18% in users and 17% in sessions from the previous reporting period.



CONSUMER EDUCATION MATERIALS

MRC provides retailers with free point- of-sale materials to help them explain the program and the fee to their customers. These include an information card, in-store posters and a Frequently Asked Questions (FAQ) document. MRC uses a monthly e-newsletter, email notifications, industry publications and events to regularly inform retailers that these materials are available from MRC and that reorders are also free.

INFORMATIONAL CARD: This card can accompany the consumer's invoice or receipt. In its standard format, English is on one side and Spanish on the other. Chinese, Korean, Tagalog and Vietnamese versions are available on request.

IN-STORE POSTERS: MRC offers posters in two sizes to provide flexibility in how and where retailers display them in-store. Versions in Spanish and Asian languages are also available on request.

CUSTOMER FAQs: Consumer FAQs are provided in English and Spanish to assist retailers with sales associate training. Chinese, Korean, Tagalog and Vietnamese versions are available on request.

MRC uses a monthly e-newsletter, email notifications, industry publications and events to regularly inform retailers that these materials are available from MRC and reorders are free. We also send starter kits to newly registered retailers or those opening new stores in the state. The kit includes a postage-paid response card that allows the retailer to opt-in to receiving automatic refills of materials.

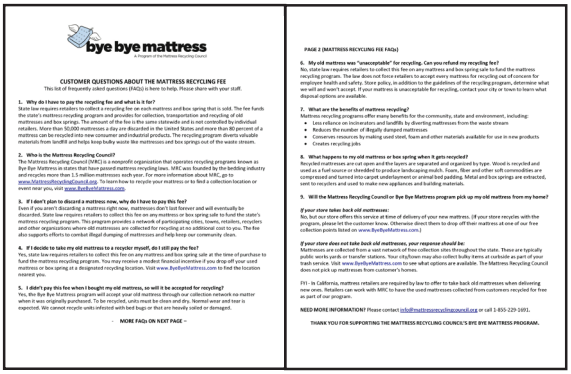
MRC's Marketing & Communications department also works closely with mattress retailers and producers to assist them with explaining the law, fee and program to the companies or customers they serve. MRC offers to create notices, review company memos for accuracy, or provide documents that can be shared throughout the sales channel.

Given the rapid rise of online sales and accelerated adoption of boxed bedding among consumers due to the COVID-19 pandemic, MRC is currently exploring how to increase consumer education at the digital point-of-sale versus in-store experience.





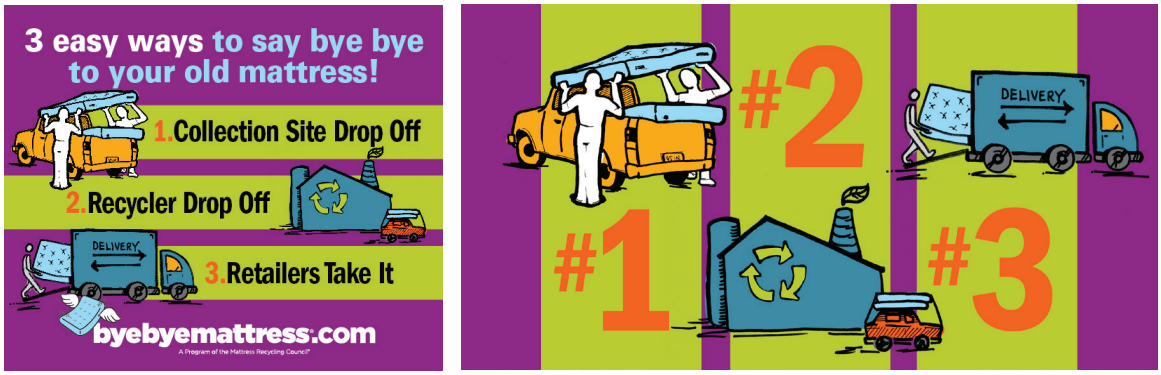




INFORMATIONAL CARD | IN-STORE POSTER | CONSUMER FAQs

PAID ADVERTISING CAMPAIGN

In October 2019, MRC conducted an advertising campaign in the Hartford-New Haven media market explaining the three ways a mattress is collected for recycling – by dropping it off at a local collection site, by dropping it off at a recycler or through retailers taking back old mattresses during the delivery of new units.



3 WAYS CONNECTICUT CAMPAIGN

MRC targeted residents through broadcast, digital and cable TV, broadcast and digital radio, email marketing and social media. Collectively the campaign achieved 9 million impressions.

View Three Ways Connecticut. Click to watch:

TV
https://dl.orangedox.com/ThreeWaysCTTV

Hear Three Ways Connecticut. Click to listen:

RADIO
https://dl.orangedox.com/ThreeWaysCTRadio

PUBLIC SERVICE ANNOUNCEMENT CAMPAIGN

MRC's "Stop Illegal Dumping" PSA campaign consists of TV, radio, print and outdoor ads and is used across all program states. To date, the PSA has received over 500 airings in Connecticut.

In 2021, MRC plans to update the "Stop Illegal Dumping" campaign and determine how to increase usage in Connecticut.

PRINT AND BILLBOARD EXAMPLES







View Stop Illegal Dumping. Click to watch:

TV ENGLISH
https://dl.orangedox.com/IllegalDumpingEnglish

TV SPANISH
https://dl.orangedox.com/IllegalDumpingSpanish

Hear Stop Illegal Dumping. Click to listen:

RADIO ENGLISH
https://dl.orangedox.com/wtYyQnhTPsZ8pWYJxT

RADIO SPANISH
https://dl.orangedox.com/5rVASIpHtA2IPCyAps

MRC also partnered with Hartford Mayor Luke Bronin's office, which launched the #LoveHartford anti-littering campaign in early 2020. One of the campaign's goals was to encourage the proper disposal of bulky items by reminding residents to schedule appointments to have items picked up. MRC worked with the Mayor's Office of Community Engagement to develop content about mattresses and the other available disposal options in Hartford that could lead to mattress recycling. This included social media posts and graphics, information for the department's weekly newsletter and new movers guide and a flyer for use at community events.





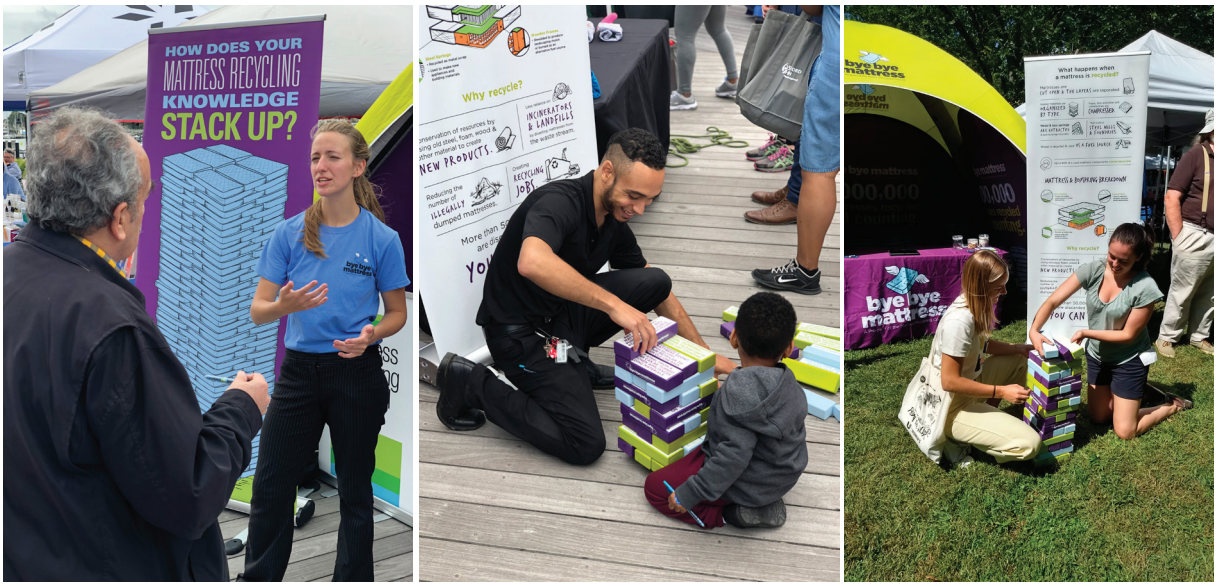
LOVE HARTFORD SOCIAL POSTS

COMMUNITY EVENTS

MRC engages with the public through collection events and public appearances. Collection events provide a way for MRC to service an area that might not have a facility capable of or willing to be a permanent collection site or targets a specific need (such as neighborhood cleanup, move out day at a university, etc.). Meanwhile, public appearances help MRC boost awareness of the program and educate residents about the benefits of mattress recycling and how to access sites in their area.

COLLECTION EVENTS: This reporting period, six communities held collection events, one of which worked with Farmington's curbside collection service. Meanwhile, in other communities MRC provided mattress collection for pre-established special waste collection events, such as Orange's Shred Day. MRC will continue to seek opportunities with towns that hold special waste or recycling events for other products.

PUBLIC APPEARANCES: To educate residents about mattress recycling benefits and options, MRC participated in the Connecticut Folk Festival and Green Expo in New Haven and the Health Wellness & Lifestyle Expo in Stamford. MRC anticipated returning to Earth Day events in Woodbury, Newtown and Wilton, but these were canceled due to COVID-19.

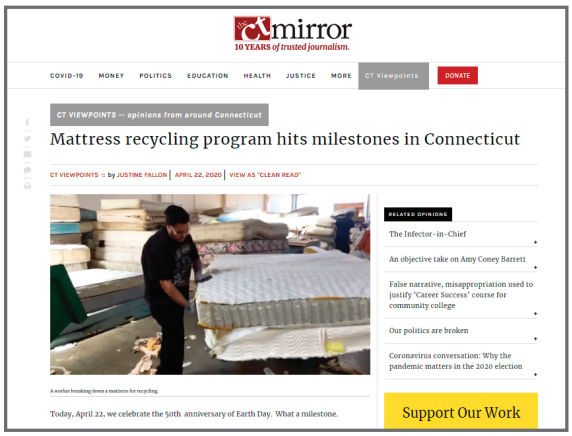


CT FOLK FESTIVAL AND HEALTH WELLNESS & LIFESTYLE EXPO

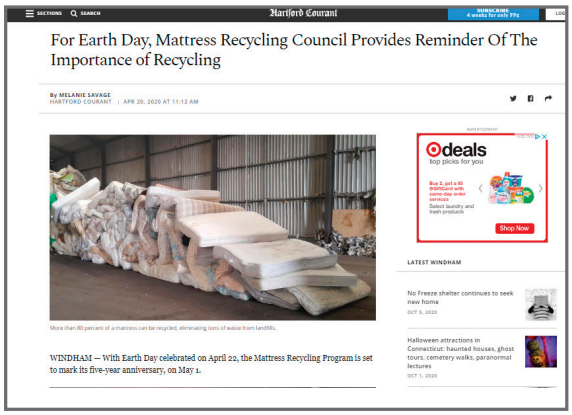
MRC continues to look for opportunities with other annual events such as Keep America Beautiful's Great American Clean Up (First day of Spring), Public Works Week (May), Ocean Conservancy's Coastal Clean Up Day (September), World Clean Up Day (September 15), and Keep America Beautiful's America Recycles Day (November 15).

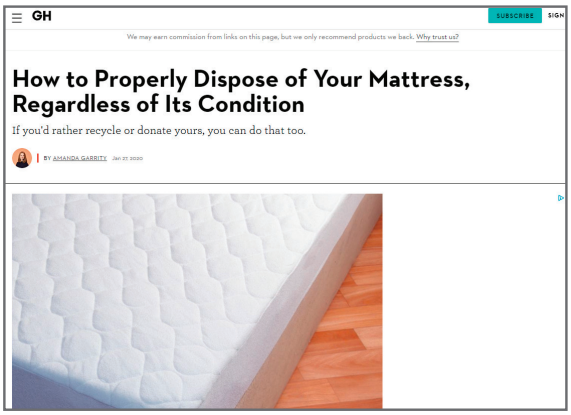
MEDIA RELATIONS

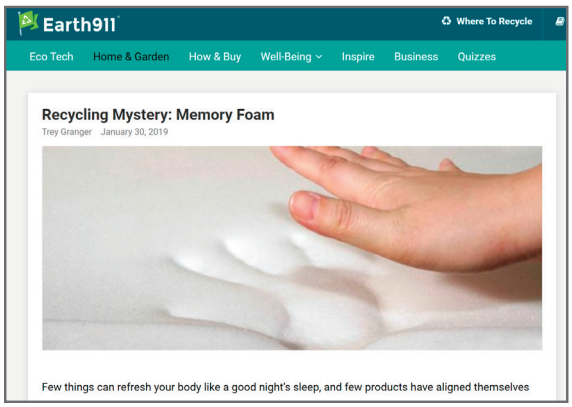
During the reporting period, MRC respond to reporter's inquiries and proactively contacted media regarding the program's fifth year anniversary and cumulative achievements. MRC's media relations activities in this reporting period generated press coverage equivalent to approximately $317,000 in advertising value. Notable media placements included *Hartford Courant*, *CT Mirror* and WTIC 1080 AM, as well as national mentions on Earth 911, *Good Housekeeping*, *Glamour* and Houzz.

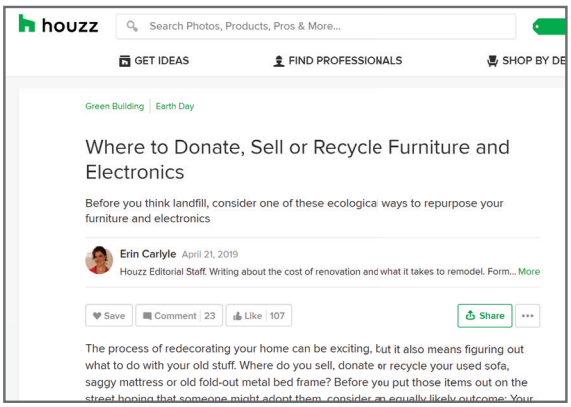












COLLECTION SITE AND EVENT TOOLKITS

To promote collection sites, MRC prepared a template news release and suggested content that municipalities could use to publicize their participation in the program through online and social media outlets. The template allows municipalities to customize community messaging by including hours of operation, directions and residency restrictions. They may also use the suggested content on their city websites, community newsletters and social media. Event hosts are provided similar materials, including a media alert template, flyer template, event day signage kit and suggested social/online content.

Click Below To View

COLLECTION SITE PROMOTION TOOLKIT
https://dl.orangedox.com/4pJlDe



COLLECTION EVENT PROMOTION TOOLKIT
https://dl.orangedox.com/67ephJ



SOCIAL MEDIA

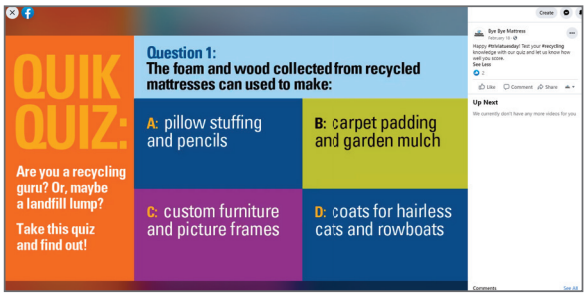
MRC created Twitter and Facebook profiles for Bye Bye Mattress to connect with consumers.

Having a daily news feed of engaging and relevant information is important for maintaining a presence on these social media platforms. MRC has found Bye Bye Mattresses' social media most useful in announcing collection sites, upcoming community collection events and pointing visitors to ByeByeMattress.com for additional information.

To maintain a regular rhythm of publishing content, Bye Bye Mattress likes and shares stories related to recycling other household items and interests its followers share.

During the reporting period, Bye Bye Mattress' national social media audience and engagement continued to grow, surpassing 2.8 million impressions on Facebook and Twitter. Meanwhile, on Facebook, more than 2,400 people each month are sharing, liking and commenting on posts. This is a 70% increase in impressions and 6% increase in engagement.









FOLLOW & LIKE
@BYEBYEMATTRESS

INDUSTRY COMMUNICATIONS

To inform retailers, producers and other industry stakeholders about the law and their legal obligations, as well as to encourage participation in the program, MRC uses direct mail, phone calls, websites (MattressRecyclingCouncil.org and MRCreporting.org), industry events, industry media relations and social media.

See the **Goals & Methods** section for further details on MRC's efforts to communicate with the industry and stakeholders about the program and its benefits.

COMPLIANCE OUTREACH

MRC uses established protocols to consistently communicate with registered and potential participants and provide non-compliant parties with information to take corrective action.

MRC continually monitors the sources it used to create the initial outreach list of mattress retailers and producers to identify new entrants into the mattress segment and non-compliant parties that may be required to register with the program. The sources MRC monitors include holders of Connecticut Bedding & Upholstered Furniture Licenses, ReferenceUSA, Dun & Bradstreet, industry publication subscriber lists, industry event attendee lists, Yellow Pages, Chambers of Commerce, the Better Business Bureau and online searches. It also receives leads for potential registrants from MRC staff as they travel the state or are contacted by retailers interested in utilizing recycling services.

When MRC identifies such a party that may need to register with the program, MRC contacts the party, informs it of its potential obligations and follows up with a phone call or email. If the party is unresponsive after various attempts, MRC requests legal counsel or DEEP to contact the party.

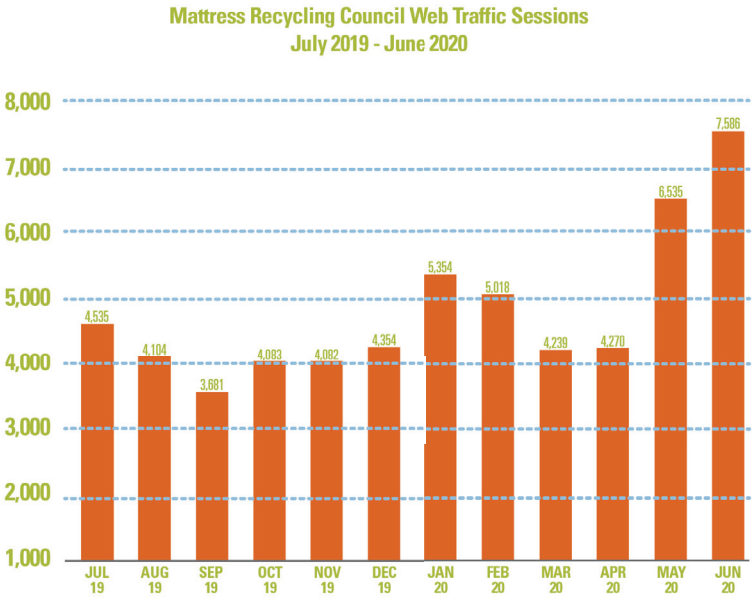
MRC also monitors whether retailers and other mattress sellers submit monthly reports and remit the recycling charges they collect by the deadlines. When parties miss a deadline, MRC contacts them by email, phone and certified mail. MRC escalates unresponsive parties to a collections agency and legal counsel.

MRC also has the authority to collect late fees and impose fines for non-compliance and may report non-compliant parties to Connecticut authorities for further action.

As required by the Law, **Appendix D** contains a complete list of registered producers. The list is current as of September 1, 2020.

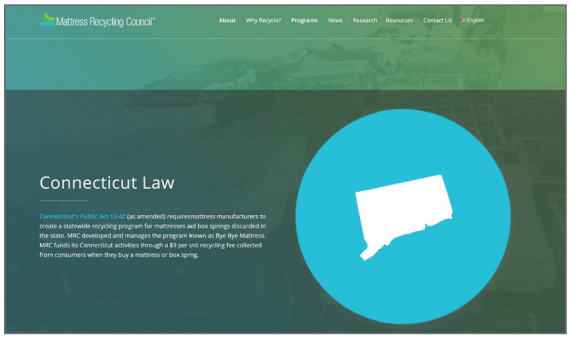
WEBSITES

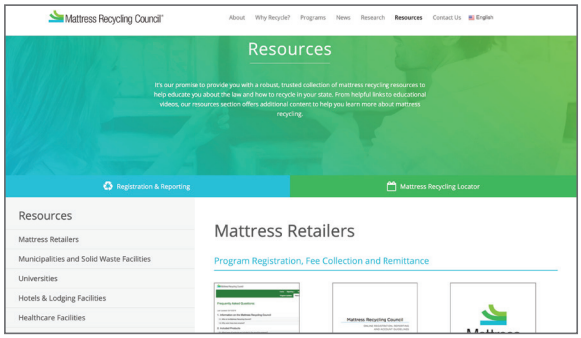
MattressRecyclingCouncil.org: Designed for use by the mattress industry, regulators and non-consumer stakeholders, this website attracted 46,799 users which generated 57,841 sessions between July 1, 2019 and June 30, 2020. This is a 16% increase in users and 15% increase in sessions from the previous reporting period.



In October 2019, MRC surveyed users from these key audiences about their experiences with MRC, the website and its resources. This led to a full redesign and reorganization of the site, which was completed in September 2020.

The site as it looked during the reporting period, contained information specific to each of the three states in which MRC operates mattress recycling programs. This included copies of recent MRC notices, links to resources, and bridges to ByeByeMattress.com and MRC's registration and reporting portal (MRCreporting.org).





MATTRESSRECYCLINGCOUNCIL.ORG DURING THE REPORTING

The Connecticut state page contained information on the law and details on how the program had expanded. By clicking on links from this page:

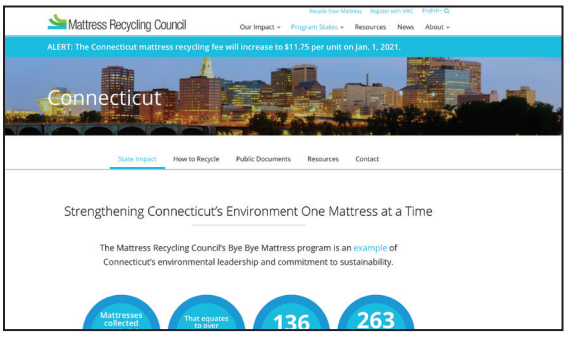
- Stakeholders could read the law and information about the program, including the approved plan and current annual report
- Solid waste facilities and other eligible entities could request to become a collection site or event host
- Retailers and other entities could request to participate in the recycling program
- Retailers and producers could link to MRC's reporting and remittance portal and learn about their legal obligations under the program
- Stakeholders could subscribe to receive MRC's monthly newsletter

The website also contained a resources library with links and information about MRC's reporting and payment portal, consumer education materials, collection site guidelines and information sheets about recycling options for different entities (e.g. transfer stations, retailers, lodging establishments, etc.).

The redesigned site continues to contain this information, though it has been reorganized and streamlined based on the feedback gained from the user surveys and analysis of website metrics.



MATTRESSRECYCLINGCOUNCIL.ORG
AS IT IS TODAY





MRCreporting.org: Through this website, parties register with MRC and retailers and other parties that sell mattresses to end-users in Connecticut report and remit to MRC the recycling fees that they have collected.

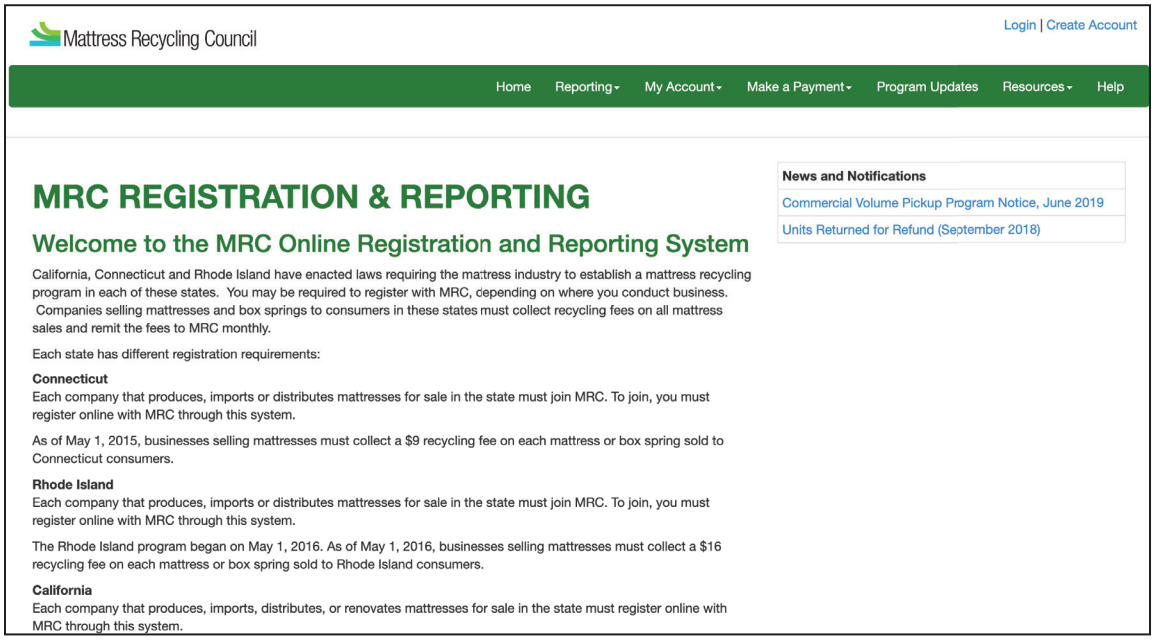
To encourage participants to remit their fees on time, the site emails automatic reminders. The site also emails announcements to all registrants and MRC cross-posts on this website notices and information that also appear on MattressRecyclingCouncil.org.

During the reporting period, MRC made changes to the portal to improve data accuracy and reporting quality, as well as help MRC improve customer service. Major changes relevant to Connecticut participants include:

- Implementing a required annual review of account information. Upon the participant's yearly anniversary of its account approval, a participant must review its account information for accuracy and is given an opportunity to make changes as necessary.

- Expanding profile information. MRC requires participants that report on behalf of multiple locations to list those storefront addresses and applicable contact information. It also requires participants to disclose whether they company is currently delivering, taking back and recycling mattresses and if sales are conducted online, through brick-and-mortar locations or both.

Given the extent of the changes, MRC conducted a site audit and updated all the portal's content including linked documents and resources.



VIDEO SERIES

MRC wants participants (and potential participants) to understand the program and the mechanics of registering with MRC, submitting monthly reports and remitting fees. To inform target audiences about the program, MRC actively encourages participants to view the following short online videos which are accessible on MattressRecyclingCouncil.org and on MRC's YouTube channel:

About the Mattress Recycling Council: Provides an overview of state recycling laws, the recycling fees, what the fees pay for and encourages stakeholders to recycle with MRC.

How to Register on MRCReporting.org: Provides a step-by-step guide to help retailers, producers and others understand if they must register with MRC, and if so, how to complete that process.

Reporting & Remitting Your Recycling Fees: Explains how mattress retailers and producers can use the online portal to report and remit to MRC the recycling fees they have collected.

MRC also uses these videos, which it updates annually, in presentations to industry groups and in MRC's tradeshow booths.

Click Below To View

VIDEO SERIES
https://youtu.be/ptDAJNp4CSk







MONTHLY E-NEWSLETTER



Happy 5th Birthday to MRC!

This month MRC is celebrating five years of mattress recycling. Our Bye Bye Mattress program launched in Connecticut in May 2015. Since that time, Rhode Island and California have joined and MRC has recycled more than six million mattresses. We are proud to be doing our part for the environment. In addition, more than one million people have visited ByeByeMattress.com and our public service announcement has over three million views! We work hard to spread the word that recycling matters and that mattresses should never be dumped illegally. Thank you to our amazing supporters for helping us reach these milestones!





COVID-19 Update

This week, all 50 states have begun to reopen to some degree in the midst of the COVID-19 pandemic. MRC is seeing an uptick in mattress recycling volume in program states and is "cautiously optimistic," according to managing director Mike O'Donnell, as retailers and collection points begin a phased-in opening process, as well. Pictured above are some of the front line workers at two of our recyclers hard at work this month. We are grateful to all of the recycling heroes across our mattress recycling network! MRC has a COVID-19 page on our website offering updates and resources for our program participants. Please contact your program coordinator with any questions or concerns. Stay safe!

MRC Highlights reaches more than 3,000 recipients and continues to see above average industry open rates (above 20%). The mailing lists includes all registered retailers, renovators, manufacturers, collection site hosts and other stakeholders.

Content included every month includes upcoming reporting deadlines, the availability of consumer education materials and where to recycle mattresses. Other content focuses on how to help collection sites improve their stacking, loading and storage of mattresses; notification of updated or new resources; program results; efforts to expand the program and combat illegal dumping; and research findings and opportunities.

MRC continues to find ways to better serve and increase the audience of the newsletter. As part of our October 2019 survey of key audiences, we are considering issuing more frequent or geographically focused issues in the future. In 2021, readers may see further changes to the newsletter that coincide with the redesigned MattressRecyclingCouncil.org website.

INDUSTRY EVENTS

During the reporting period, MRC participated in the following industry events:

Las Vegas Market (each Winter and Spring): Las Vegas Market is the largest bedding show in the United States. It attracts retailers, distributors and manufacturers from all 50 states and over 80 countries. Many new companies entering the U.S. bedding market also debut their products here.

During the Summer 2019 and Winter 2020 Las Vegas Markets, MRC exhibited in the Home Furnishing Association's Retailer Resource Center. MRC answered retailers' registration, reporting, payment and recycling questions.

Northeast Furniture and Accessories Market (February 2020): Regional furniture, bedding and home décor/accessories companies attend this event.

MRC planned to attend others, which were ultimately cancelled due to the COVID-19 pandemic. Most notable was ISPA EXPO, where MRC was scheduled to present about its recycling program progress, research efforts and other developments.

As event directors shift towards offering digital experiences and reimagine their major conferences and tradeshows, MRC is considering how to best remain relevant and visible to event attendees. We don't foresee eliminating the use of industry events despite the prolonged inability for large in-person gatherings.



LAS VEGAS MARKET



ISPA INDUSTRY CONFERENCE

MEDIA RELATIONS

MRC contributes content to *Sleep Savvy* and *BedTimes*. This coverage appears in each publication's sustainability section and ranges from information about the fee and its collection to updates about the program or other recycling trends.

MRC news has been published in other industry media including *Furniture Today, Home Furnishings Business, RetailerNOW* and *Sleep Retailer*. MRC also distributes news to the waste and recycling industry media.

During the reporting period, these outlets received announcements regarding MRC's recycling accomplishments and research activities.









SOCIAL MEDIA

MRC uses Twitter, Facebook, LinkedIn and YouTube. Collectively, MRC has more than 1,272 followers on social media, comprised of a mix of individuals, civic/environmental groups, retailers, local and state government, waste haulers and recyclers.

In addition to sharing Bye Bye Mattress content, MRC uses its social media accounts to announce program developments, promote MRC's presence at industry events, distribute marketing collateral, interact with industry stakeholders and monitor industry news. #FAQFriday also draws attention to frequently asked questions about recycling and registration, as well as fee collection, reporting, and remitting.

During the reporting period, MRC's social media received more than 196,000 impressions.

MRC will continue to use social media and evaluate its effectiveness in driving traffic to MRCreporting.org, MattressRecyclingCouncil.org and ByeByeMattress.com. MattressRecyclingCouncil.org and the recycling locator.









FOLLOW & LIKE
@MATTRECYCOUNCIL



MRC collects mattresses from **136** communities and **272** public and private entities that dispose of large volumes of discarded mattresses.

PERFORMANCE GOALS & EVALUATION

PERFORMANCE GOALS & EVALUATION

CONNECTICUT'S MATTRESS COLLECTION NETWORK

The program continues to increase the number of mattresses and box springs (together referred to as "units") received annually, with 189,492 units collected this reporting period, a 2.9% increase in units from last year. The success of Connecticut's program relies largely on MRC obtaining discarded units from the existing statewide infrastructure of "covered entities" that collect discarded mattresses as part of their ongoing operations. The law defines covered entities to include any political subdivision of the state, mattress retailer, permitted transfer station, waste-to-energy facility, healthcare facility, educational facility, correctional facility, military base, or commercial or nonprofit lodging establishment that possesses a mattress discarded in the state, as well as other entities that may be eligible to participate in the program. Of these entities, town municipal transfer stations handle the largest volume of discarded mattresses.

During this reporting period, residents in 136 cities and towns had a no-cost drop-off option to recycle discarded units. In these areas, residents may drop off units at collection sites or collection events, and three of these municipalities recycled mattresses collected through their curbside bulky item collection programs. While many collection sites limited access to their city's or town's residents, all state residents may drop off discarded mattresses for recycling at Park City Green in Bridgeport or the Salvation Army stores in Newington and Hartford.

In addition to these residential collection options, 272 other entities that dispose of large volumes of discarded mattresses are also recycling their used units through the program. Thirty-three of these entities joined this reporting period, representing a 14% increase in the number of participating entities from the previous reporting period.

MRC continues to bring new municipalities and other entities into the program. They may contact MRC to host a collection site or one-day event, drop-off at a recycling facility, or request no-cost transportation services if they have collected the minimum number of units.

more than **130** permanent mattress collection sites

2 recycling facility locations serving CT

6 towns host mattress collection events each year



EVALUATION OF PERFORMANCE GOALS & METHODS

As required by Connecticut General Statutes §22a-905a(f)(2), MRC submitted updated performance goals based on its experience administering the program following the first year of the program's operations. DEEP accepted the updated goals on November 2, 2017. Below is an evaluation of the current program goals and the methods used to achieve them.

MUNICIPALITIES

GOAL: MRC to secure participation from 111 municipal transfer stations by Fiscal Year 2019. MRC will also increase access for Connecticut residents through special collection events and other programs.



ACHIEVED – MRC exceeded the municipal transfer station participation goal by the end of Fiscal Year 2019 (the previous reporting period) and added three more transfer stations this reporting period, bringing the total to 118. In addition, six municipalities held annual or bi-annual collection events during this reporting period. Through these sites and events, residents in 136 Connecticut cities and towns have access to the program.

METHODS: With the participation milestone satisfied, MRC focused on the residential access portion of this goal. This entailed expanding the collection network while also maintaining the previously established footprint and developing an initial process for monitoring the percentage of residents with access to the program.

To expand the collection network, MRC focused its outreach on non-participating municipal transfer stations and established events in areas that lack a local drop-off option. We also contacted waste haulers operating municipal curbside bulky item collection programs. Our outreach consisted of individual site visits, a presentation to the CT DEEP Solid Waste Advisory Committee and active engagement during Connecticut Recyclers Coalition meetings. This resulted in three municipal transfer stations and one event being added to the collection network this period.

MRC's efforts to persuade the remaining non-participating transfer stations and waste haulers to recycle mattresses with the program included:

- Offering to host collection events at facilities that lacked space for a collection container or other resources to handle mattresses. MRC offered to pay for all event costs, including staffing the event, transporting and recycling the collected mattresses and assisting with event publicity and signage.

- Overcoming facilities' concerns about bedbugs by offering resources and educational opportunities. MRC hosted an informational session in collaboration

with the Connecticut Coalition Against Bed Bugs (CCABB) which dispels health-related myths, describes how to identify bedbugs and discusses best practices for protecting facility staff from bedbugs. MRC recorded the presentation and posted it on the resources area of MattressRecyclingCouncil.org, where it remains available to all program participants to watch on demand at no cost. MRC also integrated CCABB's information into MRC's Collection Site Guidelines.

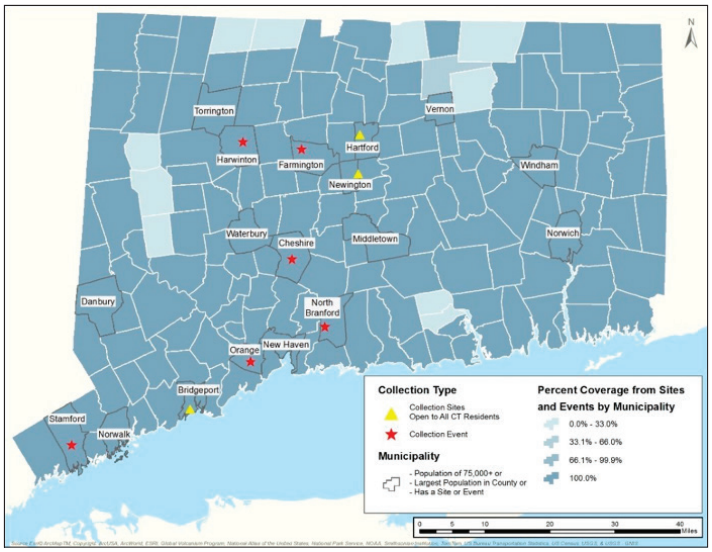
Retaining the currently participating transfer stations and waste haulers is also important to maintaining residential access. MRC provides support through in-person meetings, phone calls and emails. MRC's Northeast Program Coordinator conducts unannounced site visits, as well as scheduled appointments, to discuss the program and compliance with participation requirements. Topics covered in these meetings include identifying non-program material, screening mattresses for excessive damage or contamination, informing residents about the program and addressing illegal dumping concerns. In addition to in-person meetings, MRC also sends updated Collection Site Guidelines to all participants to reinforce product acceptance and contamination criteria. These contacts also receive MRC's monthly newsletter and seasonal reminders throughout the year that encourage proper screening, handling, storing and loading of mattresses to improve quality and collection efficiency.

To determine whether MRC's efforts to support and expand the collection network are increasing residents' access, MRC measured the percentage of state residents living in areas covered by the program. For these purposes, we concluded that the program provides coverage to residents that live:

- in a municipality with a participating collection site or curbside collection program,
- in a municipality adjacent to a municipality with a participating collection site that is available to residents of the neighboring community,
- within 15 miles of a participating collection site open to all state residents or
- within 15 miles of an MRC collection event open to any state resident.

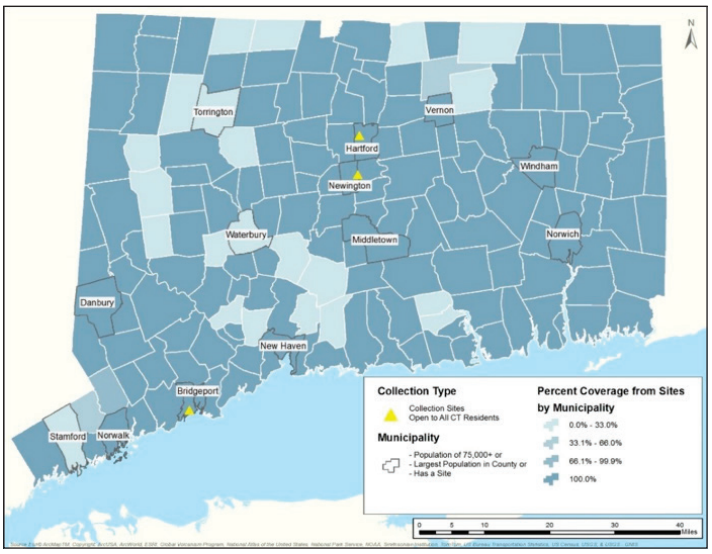
Using these criteria, MRC concluded that the program covered 97.7% of state residents during the reporting period. To graphically represent the percent of residents covered by the program statewide, Figure 1 shows the boundaries for all municipalities in the state and identifies collection sites (yellow triangles) and collection events (red stars) that are open to all Connecticut residents. The map also shows the percentage of residents in each municipality that met the criteria above.

FIGURE 1: RESIDENTIAL COVERAGE THROUGH PARTICIPATING SITES AND EVENTS



If we exclude collection events from this analysis and consider only residents covered by the permanent collection network, 85.7% of state residents still met the first three criteria above. Figure 2 shows the percentage of residents of each municipality that are covered by MRC's permanent collection network.

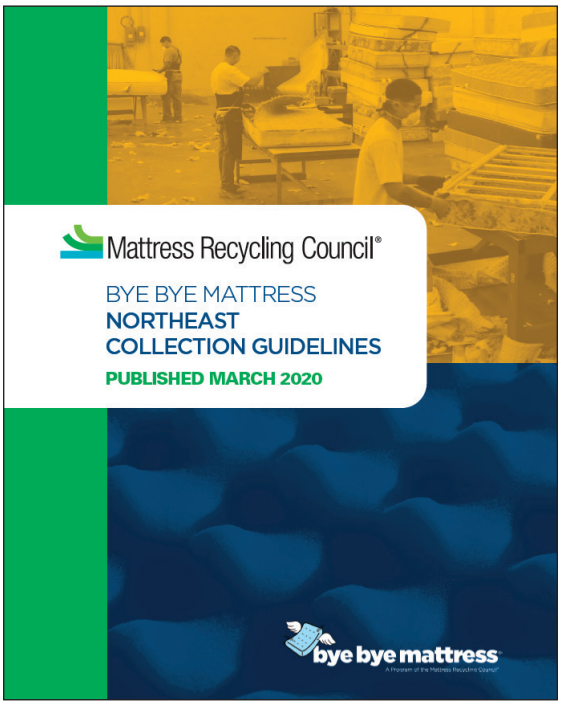
FIGURE 2: RESIDENTIAL COVERAGE THROUGH PARTICIPATING SITES

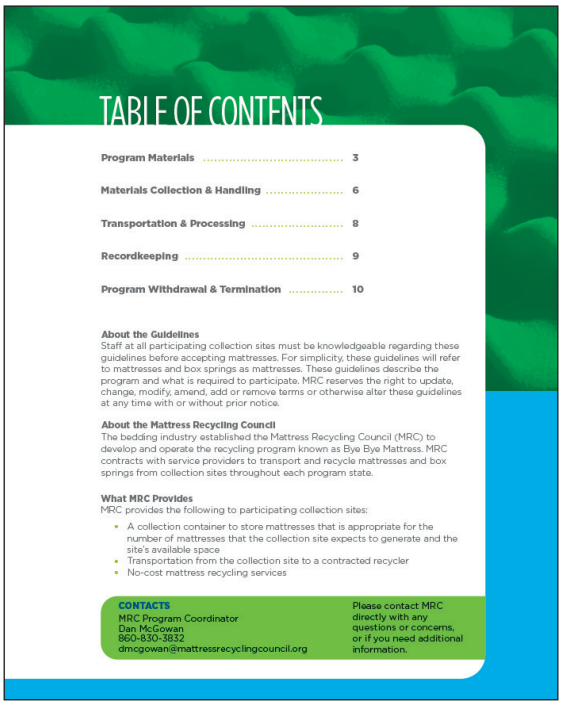


Note, however, that this analysis understates residential access to the program because it does not reflect other avenues that residents use to discard mattresses that are captured by MRC for recycling. For example, some residents have their retailer pick up a discard when their new mattress is delivered and the discard is then recycled

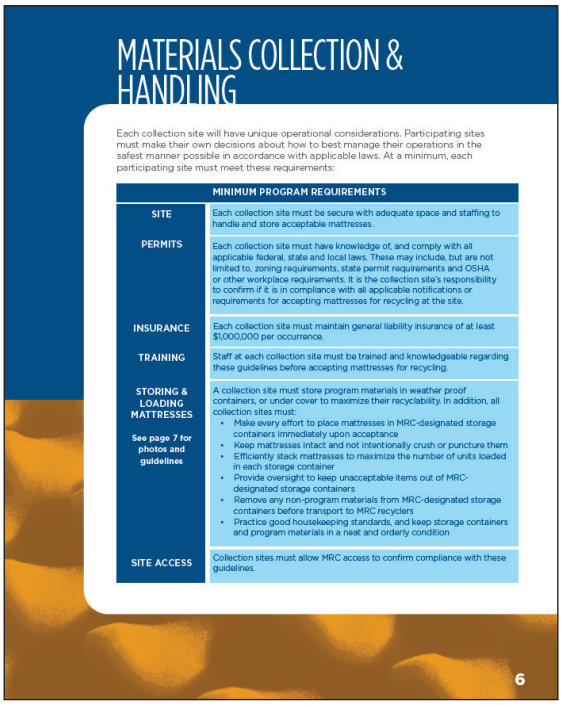
through the program. Currently, 39 retailers recycle mattresses collected in this manner. Meanwhile, other residents contract with small commercial haulers to remove their mattresses. MRC works with many small haulers and volume reduction facilities (discussed in further detail below) to divert those units from the waste stream to recyclers.

MRC remains committed to expanding the collection network and will discuss our progress with municipalities and residential access in future reports.









VOLUME REDUCTION FACILITIES

GOAL: Volume reduction facilities (VRFs) are permitted facilities that process construction and demolition materials, oversized municipal solid waste, clean wood and recyclables. MRC will continue to work with VRFs not in the program to evaluate their mattresses for recycling and work with upstream sources to divert them for recycling before they are processed by VRFs and can become contaminated.



ACHIEVED – MRC collected 16,647 units from VRFs for recycling and registered eight new VRFs with the program this reporting period. MRC also coordinated with upstream sources to divert mattresses to recycling.

METHODS: MRC collects mattresses from 19 VRFs, eight of which began participating with the program this reporting period. We encourage these facilities to collect and divert their units in a manner which maintains their recyclability. MRC also encourages VRFs to educate their customers that rent disposal containers for household cleanouts to stack or store mattresses in containers properly to avoid damaging or contaminating the units. Through these efforts, MRC collected 16,647 units from VRFs for recycling this reporting period.

MRC also focused on collecting mattresses from upstream sources such as small commercial haulers before they were collected by a VRF. This reporting period MRC increased registration of "other entities" by 13%. In total, these upstream sources delivered over 6,000 units directly to recyclers as opposed to VRFs.

MRC will continue to work with VRFs and haulers on educational opportunities to increase the recyclability and diversion of incoming units and encourage their customers to discard mattresses at an MRC collection site or recycler (as opposed to dumpsters provided by VRFs).

RETAILERS

GOAL: Recycle approximately 30,000 mattresses from retail sources annually.



ACHIEVED – Retailers recycled 33,061 units during this reporting period.

METHODS: MRC provides no-cost recycling to retailers that comply with the program and make delivery and scheduling arrangements with MRC's Northeast Program Coordinator. The retailer may self-haul or use a third-party to deliver discarded mattresses directly to an MRC recycler. MRC provides no-cost transportation to retailers that collect a minimum of 50 units.

Four retailers joined the program during the reporting period, bringing the total number of retailers that provide units for recycling to 39. Although the program surpassed its 30,000 unit goal, units collected from retailers are 12% below the number collected during the preceding reporting period. Much of this decrease can be attributed to temporary store closures during the initial weeks of the COVID-19 pandemic.

In addition, several long-term market trends are contributing to a decrease in the number of discarded units that traditional brick-and-mortar retailers collect from consumers. For example, the market share captured by boxed beds sold over the Internet is growing at the expense of units sold by traditional retailers. Furthermore, sales of new box springs have been falling for a number of years. This is resulting in fewer box springs being discarded for recycling. Both of these factors reduce the number of discarded units being collected by traditional brick-and-mortar retailers. In addition, MRC understands that a number of retailers provide the discarded mattresses they collect to renovators and do not make them available for recycling through the program.

Although the exact number of units collected for recycling from retailers annually will fluctuate, MRC anticipates that the combined impact of these trends will result in traditional retailers' share of recycled mattresses gradually declining over the long term.

The following table demonstrates the number of units collected from retailers year over year.

TABLE 1: UNITS COLLECTED FROM RETAILERS DURING REPORTING PERIOD

REPORTING PERIOD (JULY 1 – JUNE 30)	UNITS COLLECTED
2016-2017	28,737
2017-2018	41,247
2018-2019	37,577
2019-2020	33,061

MRC promotes recycling to the mattress industry through its website (MattressRecyclingCouncil.org), online portal notifications (MRCreporting.org), a monthly e-newsletter, articles and advertisements in industry publications, presentations at industry conferences and bedding retailer and manufacturer sales meetings. MRC staff also visit regional and national retailers' warehouses to discuss recycling solutions tailored to solve their logistical and operational challenges.

Marketing collateral, such as a retailer information sheet and brochure, explain the benefits of recycling, what MRC provides retailers and how to contact the Northeast Program Coordinator.

CONNECTICUT

BYE BYE MATTRESS COMMERCIAL VOLUME PROGRAM

NO-COST MATTRESS RECYCLING FOR BUSINESSES

Overview

The Mattress Recycling Council's Bye Bye Mattress Program collects more than 1.5 million mattresses for recycling each year from across its program states. Contributing to that success are mattress retailers, hotels, universities, hospitals and other organizations that dispose of many mattresses at once.

The Commercial Volume Program makes it easy for your business to use Bye Bye Mattress to recycle and can save you transportation and recycling costs too.

The Mattress Recycling Council (MRC) is a nonprofit organization established by the bedding industry to administer and operate the mattress stewardship program created by Public Act 13-42.

What We Provide

Contact MRC today to receive:

- No-cost recycling services.
- No-cost drop-off at a participating recycler (no minimum required).
- No-cost transportation of collected mattresses to a participating recycler (50 unit minimum required).

Eligibility Requirements

RETAILERS

- Mattress retailers must be registered with MRC, remitting the recycling fees and compliant with all provisions of the law to participate.
- To receive no-cost drop-off, must make arrangements with MRC.
- To receive transportation, must have accumulated a minimum of 50 units. Partnering with other local businesses, organizations or allowing public drop-off to reach the minimum is permitted.
- Units must have been used and discarded in Connecticut.

OTHER COVERED ENTITIES

Hotels & Lodging Facilities
Universities & Educational Institutions
Military Bases
Healthcare
Waste to Energy Facilities
Correctional Facilities

- To receive no-cost drop-off, must make arrangements with MRC.
- To receive transportation, must have accumulated a minimum of 50 units. Partnering with other local businesses, organizations or allowing public drop-off to reach the minimum is permitted.
- Units must have been used and discarded in Connecticut.
- When purchasing new units, the vendor must be collecting and remitting the recycling fee.



COMMERCIAL VOLUME PROGRAM CONTACT:
Dan McGowan: (860) 830-3832, dmcgowan@mattressrecyclingcouncil.org
Or visit Bye Bye Mattress Commercial Recycling for details.

bye bye mattress
A Program of the Mattress Recycling Council

CONNECTICUT

COMMERCIAL VOLUME PROGRAM

COMMERCIAL VOLUME PROGRAM CONTACT:
Dan McGowan: (860) 830-3832, dmcgowan@mattressrecyclingcouncil.org

Participation Requirements

- Complete registration form and return it no later than 14 days prior to desired pickup or drop-off date. Obtain registration form by contacting MRC.
- Follow the Commercial Volume Guidelines.
- Provide a collection area that is capable of allowing access to a 53-foot trailer.
- Keep collected units dry.
- Provide a minimum of two staff to load units into the provided trailer.

Ineligible Items

- Units from out of state sources
- Units infested with bed bugs or other living organisms
- Severely damaged, twisted, wet, frozen or soiled units

Unacceptable Items

- Adjustable bases not covered in ticking or fabric
- Air mattresses that contain no upholstery material (such as camping beds)
- Car beds
- Collapsible roll-away beds
- Fold-out sofa beds
- Futons
- Juvenile products, including: carriages, baskets, dressing tables, strollers, playpens, infant carriers, lounge pad, crib bumpers
- Loose bedding, blankets or sheets
- Mattress pads and toppers
- Metal bed frames
- Pillows and cushions
- Sleeping bags
- Water beds

Frequently Asked Questions

What if I do not have 50 units to discard?

MRC requires a minimum of 50 units to receive transportation. A participant may partner with nearby retailers or other covered entities, or allow the public to drop off units at the site in order to reach the minimum.

A participant may also drop off units at a participating recycler. Contact MRC for details.

Can I store mattresses until I have the 50 minimum unit amount?

Yes. Mattresses must be stored in a location where they remain clean and dry. Contact MRC for transportation options.

Will MRC assist in loading trailers?

No. It is the responsibility of the participant to load the trailer. Participants are required to provide a minimum of two staff members to load units into the provided truck within two hours.

How long do I have to load the trailer?

Two hours are allocated to load the trailer. If more time is needed, contact MRC to discuss alternate solutions.

Where will the mattresses be taken?

The mattresses will be taken to an MRC-contracted recycler.

Will I receive documentation for recycling mattresses?

MRC's transporter will provide a Bill of Lading to document the shipment. Keep a copy for your records.

Can I recycle mattress related items?

No. Only eligible mattresses and box springs are accepted. See Ineligible and Unacceptable Items section above.

Can I recycle mattresses that are infected with bed bugs, damaged, wet, twisted, frozen, or heavily soiled?

No. Mattresses in these conditions should be disposed of as solid waste at the participant's expense.

bye bye mattress
A Program of the Mattress Recycling Council



the guide

The Mattress Recycling Council (MRC) is a nonprofit dedicated to recycling, because there is more to every mattress.

Mattress Recycling Council®



SIX MILLION MATTRESSES RECYCLED & COUNTING

We are proud of the work we are doing: recycling mattresses, keeping valuable material out of the waste stream and making a real difference in our program states.

bye bye mattress
Mattress Recycling Council®

Learn more
MattressRecyclingCouncil.org

WE ARE TAKING A LOAD OFF OF RETAILERS.



If you operate in California, Connecticut or Rhode Island, we can recycle the old mattresses you've taken back from your customers. Ask us how to receive no-cost recycling and transportation of your collected units.

bye bye mattress
A Program of the Mattress Recycling Council

To learn more, visit
ByeByeMattress.com/Commercial-Recycling

LODGING

GOAL: MRC will continue to promote the benefits of the program among Connecticut lodging establishments and recycle approximately 5,000 mattresses annually from lodging establishments.

NEARLY ACHIEVED – Eight lodging facilities joined the program this reporting period bringing the total number of hotels participating in the program to 57. Ten hotels used the program this reporting period, recycling 4,752 units, which achieves 95% of this goal.

METHODS: MRC provides no-cost recycling to lodging establishments that make delivery and scheduling arrangements with MRC's Northeast Program Coordinator. The lodging establishment may self-haul or use a third-party to deliver discarded mattresses directly to an MRC recycler. MRC provides no-cost transportation to lodging establishments that collect a minimum of 50 units.

To communicate with the lodging industry, MRC is an Allied Member of the Connecticut Lodging Association (CLA). We distribute our information sheet to area properties through the CLA's newsletter and exhibit at their annual dinner and awards gala. CLA represents all segments of the lodging industry, including hotels, motels, inns, bed & breakfasts, attractions and service providers.



CLA
CONNECTICUT LODGING ASSOCIATION

Connecticut Lodging Association
News and Education Bulletin

CLA Annual Dinner and Stars of the Industry Awards
Wednesday, 11/20/19, 5:30 p.m.- Hartford Marriott Downtown
Celebrating 115 years of service & partnership and the 2019 Stars of the Industry Awards!
The CLA Stars of the Industry Awards recognize outstanding achievement in CT's lodging community.
REGISTER HERE

Join us 11/20! Our Allied Partner Cocktail Hour features these sponsors:

MRC OFFERS NO-COST
MATTRESS RECYCLING
FOR THE LODGING INDUSTRY
Stop by our booth for details.

Mattress Recycling Council®

CLA's Gold sponsor two years in a row: Visit www.ByeByeMattress.com for details. Provides no-cost recycling of mattresses and box springs.
Contact us today to schedule your pick-up of drop-off today: Dan McGowan at dmcgowan@mattressrecyclingcouncil.org

CLA NEWSLETTER

MRC also continues to communicate with establishments that have received Connecticut's Green Lodging certification from DEEP. This reporting period, MRC met with prospective participants during a Green Lodging meeting, provided mattress recycling information for the Green Lodging certification program resources library and was featured in an email blast to Green Lodging members.

This reporting period, MRC also established a relationship with the Connecticut Convention and Sports Bureau Board (in partnership with the Office of Tourism), which represents 95 Connecticut hotels. MRC was scheduled to present to their board in March 2020, but that meeting was postponed due to the COVID-19 pandemic.

The 4,752 units collected by MRC from the lodging sector this reporting period represents a 27.8% increase from the previous period. Although eight additional lodging establishments began sending their units to program recyclers this period, MRC's ability to meet this goal each year is contingent on:

- the number of lodging establishments replacing their mattresses,
- the number of units being discarded during that period and
- whether those discards are sent to MRC recyclers.

Based on our experience administering the program, MRC has learned that instead of sending their discarded units to MRC recyclers for processing, some lodging establishments provide their discards to renovators.

Hotels replace and discard mattresses intermittently. As a result, the total number of units the program obtains from lodging establishments will fluctuate from year to year. If business is good, replacements tend to occur more frequently, but if business is slow, the establishments tend to defer replacements.

The lodging sector business in Connecticut has been affected by mandated closures during the COVID-19 pandemic. This may result in more lodging establishments postponing renovations and mattress replacement purchases during the next reporting period.

The following table demonstrates the fluctuation in units collected from lodging establishments year over year.

TABLE 2: UNITS COLLECTED FROM LODGING FACILITIES DURING REPORTING PERIOD

REPORTING PERIOD (JULY 1 – JUNE 30)	UNITS COLLECTED
2016-2017	3,518
2017-2018	4,444
2018-2019	3,719
2019-2020	4,752

MRC will continue focused outreach to the lodging industry through stakeholder meetings and by directly contacting lodging establishments.

HEALTHCARE FACILITIES

GOAL: Continue education and outreach efforts while evaluating the recyclability of units discarded by Connecticut healthcare facilities on a case-by-case basis.



ACHIEVED – MRC continued outreach to healthcare organizations this reporting period. One new facility joined the program and a total of 178 units were recycled. Eleven healthcare facilities are now participating in the program by sending their discarded mattresses for recycling.

METHODS: MRC provides no-cost recycling to healthcare facilities that make delivery and scheduling arrangements with MRC's Northeast Program Coordinator. The healthcare facility may self-haul or use a third-party to deliver discarded mattresses directly to an MRC recycler. MRC provides no-cost transportation to healthcare facilities that collect a minimum of 50 units.

To encourage healthcare facilities to participate in the program, MRC emailed an information sheet to EPA Region 1 (whose jurisdiction includes Connecticut) that was used in an online newsletter distributed to the agency's Healthcare and Social Assistance Sector contacts. MRC continues to respond to inquiries from healthcare facilities regarding mattress recycling.

MRC also assisted the National Guard with recycling the mattresses discarded from temporary field hospitals constructed to address the COVID-19 pandemic. For futher details, please refer to the **Military Bases** section below.

MRC will continue to focus on reaching the healthcare industry through healthcare industry association meetings and targeted messaging to their members and assist those interested in participating.

PRISON MATTRESSES

GOAL: MRC will evaluate the units on a case-by-case basis for recycling. MRC is researching alternative end markets and uses for mattress materials that can be removed from prison mattresses to increase the recyclability of those products.



ACHIEVED – MRC is researching alternative end markets and uses for mattress materials to increase the recyclability of products from all sources. Furthermore, the Department of Corrections was not in need of the program's assistance this reporting period.

METHODS: MRC remains in contact with the Department of Corrections. This reporting period, the department did not discard any mattresses. However, an MRC recycler

previously evaluated the recyclability of prisons mattresses and concluded that most mattresses are not recyclable because they are made primarily of polyester batting and no demand exists at this time for post-consumer polyester batting. MRC continues to explore recycling options for mattress materials with companies that buy recycled fiber or textiles. See **Research and Sustainability** for more information on these efforts.

EDUCATIONAL FACILITIES

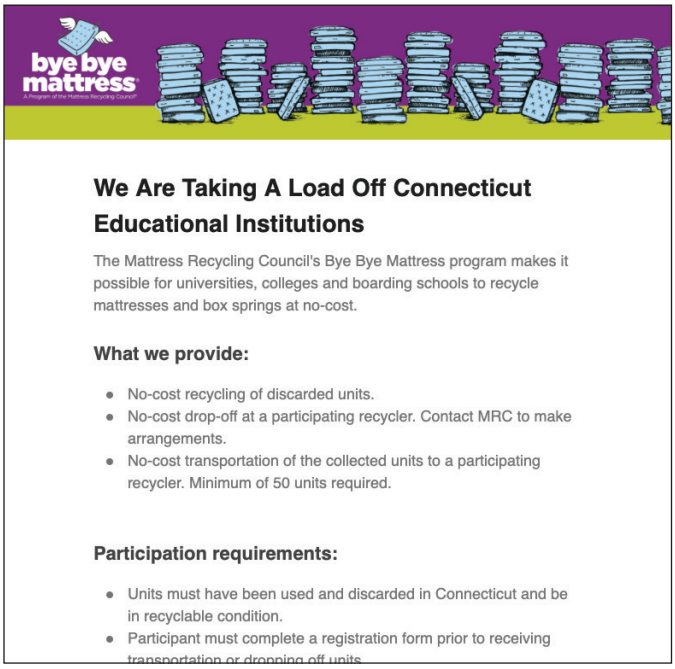
GOAL: MRC will recruit 25 educational facilities to participate in the program by Fiscal Year 2019.

ACHIEVED – This goal was achieved last reporting period, and one new facility joined the program this reporting period, bringing the total number of participants to 29. Fourteen educational facilities used the program this reporting period, recycling 4,681 units.

METHODS: MRC provides no-cost recycling to educational facilities that make delivery and scheduling arrangements with MRC's Northeast Program Coordinator. The educational facility may self-haul or use a third-party to deliver discarded mattresses directly to an MRC recycler. MRC provides no-cost transportation to educational facilities that collect a minimum of 50 units.

Fourteen educational facilities recycled 4,681 units this reporting period. Of the educational facilities that used the program this reporting period, 13 were colleges and universities and one was a boarding school.

MRC continues seasonal outreach to boarding schools, colleges and universities to encourage the facility and its student population to use the program. In future reports, we will report on our progress in this sector.


bye bye mattress

We Are Taking A Load Off Connecticut Educational Institutions

The Mattress Recycling Council's Bye Bye Mattress program makes it possible for universities, colleges and boarding schools to recycle mattresses and box springs at no-cost.

What we provide:

- No-cost recycling of discarded units.
- No-cost drop-off at a participating recycler. Contact MRC to make arrangements.
- No-cost transportation of the collected units to a participating recycler. Minimum of 50 units required.

Participation requirements:

- Units must have been used and discarded in Connecticut and be in recyclable condition.
- Participant must complete a registration form prior to receiving transportation or dropping off units.

MILITARY BASES

GOAL: MRC will continue to recycle mattresses from the Naval Submarine Base in New London on an as-needed basis. MRC will reach out to other military facilities in Connecticut, such as military training camps and Army National Guard, to determine if they have mattresses that are eligible for recycling.



ACHIEVED – The Naval Submarine Base continues to use the program to recycle mattresses and MRC worked with the Army National Guard to recycle mattresses discarded by military field hospitals during the COVID-19 pandemic.

METHODS: The Naval Submarine Base used the program three times this reporting period, recycling 113 units. Since it joined the program, MRC has recycled 2,200 mattresses from the Naval Base.

In addition, the National Guard recycled 374 mattresses from COVID-19 field hospital sites this reporting period. National Guard personnel also confirmed that they do not generate units to recycle from their own permanent facilities.

MRC will continue to work with the Naval Submarine Base to recycle future discards and remain in contact with the National Guard regarding units discarded by field hospital sites.

WASTE-TO-ENERGY FACILITIES

GOAL: MRC will work with waste-to-energy (WTE) facilities not in the program to evaluate their mattresses for recycling and work with upstream sources to divert them for recycling before they become contaminated.



ACHIEVED – During the reporting period, MRC contacted WTE facilities and upstream sources to discuss their possible participation in the program and to evaluate their mattresses for recycling.

METHODS: MRC has learned from experience that mattresses received by WTE facilities are not recyclable because the trucks that transport discarded units to them also collect putrescible solid waste, which contaminates the discarded units and renders them unfit for recycling.

Therefore, MRC's primary focus has been to divert units collected by sources upstream from WTE facilities (such as municipalities) to recyclers before they can reach a WTE facility. As a result of these efforts, three new municipal transfer stations, eight VRFs and 13 small commercial haulers joined the program. The units from these sources are diverted directly to recyclers and not WTE facilities.

MRC continues to contact non-participating municipalities, transfer stations and waste

haulers that operate municipal bulky curbside collection programs to encourage them to participate in these diversion efforts.

OTHER ENTITIES

GOAL: MRC proposes to recycle 3,500 mattresses annually from other entities and to document their participation in the annual report. MRC will continue to respond to other entities interested in participating in the program.



ACHIEVED – MRC is now providing no-cost mattress recycling to 114 other entities. Those that used the program this reporting period recycled 6,681 units, surpassing the goal by 90%.

METHODS: MRC provides no-cost recycling to other entities that make delivery and scheduling arrangements with MRC's Northeast Program Coordinator. The entity may self-haul or use a third-party to deliver discarded mattresses directly to an MRC recycler. MRC provides no-cost transportation to other entities that collect a minimum of 50 units.

During the reporting period, MRC's Northeast Program Coordinator received requests from nonprofit organizations, apartment complex property managers, moving and storage companies, small/independent junk haulers, clean out services and real estate agents that wanted to recycle discarded mattresses through the program.

MRC is now providing no-cost recycling to 114 other entities, of which 13 joined during this reporting period, representing a 13% increase. Those that used the program this reporting period recycled 6,681 units.

MRC will continue to collect information from other entities that desire to use the program and develop other sector-specific outreach.

STAKEHOLDER OUTREACH

GOAL: Distribute point-of-sale materials that explain the purpose of the recycling fee to consumers.



*ACHIEVED – See **Education & Outreach** for details regarding MRC's point-of-sale materials and **Appendix E** for examples.*

GOAL: Identify non-compliant Connecticut mattress retailers, require them to register with MRC, and collect and remit the fee.



*ACHIEVED – See **Education & Outreach** for details regarding MRC's communication with the mattress industry.*

GOAL: Continue to conduct stakeholder meetings for each covered entity subgroup and other interested parties.

ACHIEVED – Stakeholder outreach is discussed above. ***Appendix C*** *provides a list of meetings, site visits and other stakeholder interactions.*

GOAL: Contact and visit stakeholders to educate them about the benefits and obligations of program participation.

ACHIEVED – Stakeholder outreach is discussed above. ***Appendix C*** *provides a full list of meetings, site visits and other stakeholder interactions.*

METHODS: As described in the **Education & Outreach** section, MRC uses a wide array of communications and marketing methods to educate consumers and the industry including:

- Targeted direct mail and printed collateral
- Advertising and media relations
- Websites and social media
- Site visits
- Community and industry events

MRC continues to identify new mattress retailers and follows a protocol to make them aware of their legal obligations under the program.

MRC's Northeast Program Coordinator continues to meet with all stakeholders, covered entity subgroups and other interested parties.

RECYCLING MATTRESS COMPONENTS

GOAL: MRC will strive to recycle 75% (by weight) of the recyclable materials generated from dismantling collected mattress units.

NEARLY ACHIEVED – MRC recyclers reported to MRC that they recycled 73% (by weight) of all mattress materials; an increase of 6 percentage points over the previous reporting period. This is the highest recycling rate the program has achieved since its inception and it is the largest year-over-year increase experienced to date.

TABLE 3: RECYCLING RATE PER REPORTING PERIOD

REPORTING PERIOD (JULY 1 – JUNE 30)	RECYCLING RATE
2016-2017	61%
2017-2018	62%
2018-2019	67%
2019-2020	73%

METHODS: Once discarded mattresses arrive at a recycling facility, the recycler unloads the container and evaluates the condition of the mattresses. Units contaminated with bedbugs or putrescible solid waste cannot be recycled and are separated for disposal to minimize facility contamination and worker exposure.

The disassembly process varies from one recycler to the next, but most use a combination of manual and mechanical processes. The steel wire found in most mattresses and box springs is usually the most valuable and readily recyclable commodity. The recycler will separate the steel manually or mechanically from other mattress materials. Depending on the requirements of the parties purchasing this material, the recycler may transport loose loads of the steel wire to a metal recycler, or shred or compress it prior to shipment. The recycler will then separate the foam, fiber, wood and other commodities for sale in secondary markets, if possible.

For those materials that cannot be sold in scrap markets for use in making new products, MRC encourages its contracted recyclers to explore alternative uses to minimize the amount of material landfilled or incinerated. For example, although composting or mulching wood reclaimed from dismantled box springs is a potential end use, nails and staples used to fabricate mattress box springs may render the wood unusable for these applications if they cannot be thoroughly and efficiently removed. The next best use for foundation wood is biomass fuel used in generating electric power.

Currently, recyclers sell foam and quilt panels from mattresses to companies that manufacture carpet padding. In 2020 our recyclers secured more consistent end markets for these materials which increased their recycling rates.

In addition to fiber in the quilt panel, mattresses may contain shoddy pads and other non-woven materials made of fiber. The composition of these layers varies by mattress type and may be made from cotton, coconut husk, other natural fiber, rayon, polyester or other synthetic fibers. These mixed fiber materials have few viable secondary markets. Cotton has a limited market as an insulation product, but during the reporting period, the primary buyer of cotton stopped accepting this material due to excessive transportation costs.

Solid waste facilities in the northeast have been informally piloting the use of coconut fibers from deconstructed mattresses for erosion control measures. While the results have been promising, the quantity and quality of coconut fiber available from mattress recyclers currently has no demand in post-consumer markets.

The condition of units and the lack of markets for some post-consumer mattress components contributed to a recycling rate lower than the 75% goal set in the plan. This metric is highly dependent on secondary market buyers that can be particular about product quality and volume. For example, in this reporting period, some scrap metal

recyclers stopped accepting pocketed coils because they consider the polypropylene fiber encasing the coils (amounting to 8% to 10% of the component's weight) to be an unacceptable contaminant. As a result, one recycler disposed of its pocketed coils because it could not find steel scrap recyclers willing to accept the coils.

MRC is taking meaningful steps to increase the recycling rate and recyclability of a mattress. The following describes research activities and projects that may benefit Connecticut.

RESEARCH AND SUSTAINABILITY

MRC seeks to improve the sustainability of mattress recycling by:

1. Advancing the efficient collection and transport of discarded mattresses
2. Identifying and promoting best practices for mattress dismantling and recycling
3. Identifying new and better uses for the recycled components
4. Fostering innovation, cooperation and communication between suppliers, manufacturers, collectors, dismantlers and end-market commodity buyers to increase mattress recycling rates

To assist in developing and managing its research efforts, MRC is working with experienced contractors on a variety of projects. MRC's goal is to identify projects that have the potential to achieve both short-term, high-impact results, as well as longer-term projects with multiyear horizons.

MRC's research efforts identify one or more innovative organizations that are qualified to undertake defined projects contingent on established, structured, milestone-driven contracts with metrics structured to:

- Reward learning
- Encourage taking and managing risks
- Encourage collaboration
- Meet project milestones
- Produce results

LEAN MANUFACTURING ASSESSMENT OF MRC RECYCLERS

"Lean manufacturing" is an improvement and problem-solving methodology that strives to reduce or eliminate activities that do not add value to an organization. It is based on principles developed to help businesses both quantify and eliminate waste and improve the way they do business. MRC offered lean manufacturing assessments to mattress recycling facilities under contract with MRC. One Connecticut recycler volunteered to participate.

To facilitate the assessment, lean experts trained a core team of the recycler's employees on lean principles and subsequently conducted at the recycler's facility value stream mapping, movement/transportation analysis and time studies. This generated data about the site's current mattress recycling process and provided a basis for recommended improvements. Following the assessment, the facility received a confidential report detailing the results of the analysis. The assessment included a prioritized list of recommended improvements and corresponding potential benefits. MRC completed this process in March 2020.

Overall, the lean assessments of MRC recyclers showed that many had operational inefficiencies that fall into the following categories: suboptimal plant configurations, data management limitations, excessive inventories and process bottlenecks. Correcting these inefficiencies could substantially reduce a recycler's average per unit processing time, which would help make it more sustainable by reducing its operating costs and freeing up resources that it could use to improve its materials separation processes, which in turn will improve the value of its recyclable materials, increase its recycling revenue and reduce the amount of waste that must be landfilled or incinerated. See MRC's website for further details regarding the lean manufacturing assessments.

POCKETED COIL SEPARATION PROJECT

Pocketed coils are mattress springs that are individually wrapped in a fabric sleeve or pocket (typically made with polypropylene fiber) and then assembled into rectangular units using ultrasonic welding, stitching or adhesives. MRC estimates that approximately 20% of discarded mattresses contain pocketed coils and that this percentage will gradually increase in the future, given the growing popularity of this component over the past 20 years.

When recyclers dismantle a mattress, the rectangular pocketed coil unit is easily separated from other mattress components and in theory, both the steel and the polypropylene fiber are recyclable. But at present, it is impractical for individual recyclers to manually or mechanically separate the individual coils from the fabric pocket. Furthermore, under current market conditions, most metal scrap dealers will not buy unopened pocketed coil units because they consider the fabric to be an unacceptable contaminant.

MRC is seeking a long-term solution to the problem in the form of one or more practical separation technologies. MRC began the process by discussing technical challenges with manufacturers of pocketed coils and recycling equipment. Based on this input, MRC awarded a contract to Knoble Design in 2019 to develop a low-cost, automated machine which efficiently separates the metal coils from the pockets without destroying either material. Preliminary studies found it feasible to process pocketed coils efficiently at a rate sufficient to handle the output of a typical recycler and generate both clean steel and polypropylene fiber.

The research project will conclude in 2020, with a fully automated prototype machine expected to be ready for field demonstration.

FUTURE AREAS OF INTEREST

Battery and Superconductor Exploratory Study: A significant challenge to increasing the use of electric vehicles and renewable energy (e.g., solar and wind power) is low-cost energy storage options. High surface area carbon electrode materials are critical components of superior-performance, low-cost batteries that have high energy density and long-term stability. Manufacturing these electrodes requires large volumes of low-cost carbon, and demand for these materials is growing exponentially.

In early 2020, MRC launched a project with the Kansas Polymer Research Center to explore whether recovered mattress materials could be used to manufacture electrodes. The Center has developed and patented carbon electrode manufacturing technologies using bio-waste and scrap wood. A mattress is made from many carbon containing components (e.g., shoddy, cotton, foam, wood, ticking, etc.). The Center is testing whether these materials could provide a large volume, consistent and high-quality source of carbon for carbon electrodes. Early results are promising. The study will conclude in early 2021.

Analysis of Metals Recovered from Mattress Recycling Processes: Some scrap metal recyclers have noted that the hardness of steel obtained from mattress recyclers varies, which in some cases has caused difficulties in downstream processing. In 2020, MRC tested the metallic composition and hardness of the mix of conventional innerspring units, pocketed coils, foundation wire and staples being processed by recyclers today. Recyclers can use this information to determine whether it is advantageous to segregate different types and qualities of steel prior to sale to scrap dealers. Analytical results are posted on MRC's website.

Development of Mattress Fluff End Uses with Alternative Recycling Processes: Some mattress recyclers in other countries are shredding whole units, removing the metal and recycling the remainder (that is, foam, fiber and fabric, or collectively "fluff") as an alternative fuel in cement kilns. This approach could be less expensive for Connecticut recyclers than current manual dismantling methods. MRC is encouraging the development of end use applications for this mixed component material. Analytical results of the fluff material are posted on MRC's website.

Life Cycle Assessment: MRC is in the initial planning stages of conducting a life cycle assessment (LCA) of mattress recycling processes and end-uses. This study would build on mattress LCA work conducted by UC Santa Barbara in 2012. This in-depth LCA should provide a useful baseline for evaluating the relative environmental impacts of new technologies developed under the research program.

CIRCULAR ECONOMY

In 2019, MRC sought to establish collaborative relationships with industry leaders to initiate discussions about developing a circular economy for mattress materials. In recent years, many durable goods manufacturers and their suppliers have expressed strong interest in developing end-of-life strategies for their products. Our goal is to tap into this pool of expertise, develop relationships and engage in new and meaningful research collaborations.

The challenge of creating circular economies is not unique to mattresses. A central theme in many similar endeavors is to conduct a life cycle analysis (LCA) to establish baseline performance and identify obstacles to achieving a circular economy. In 2020, MRC plans to begin work preparing a life cycle analysis for mattresses to establish baseline performance for common mattress materials processed in current recycling facilities. As part of the LCA process (called the improvement stage), alternative lifecycle management approaches are evaluated for potential improvement in environmental performance.

Understanding the environmental impact of recycling processes and new end uses for recovered materials are considered essential steps in creating a circular economy. MRC has explored best practices in other countries and industries, and engaged with trade associations and consortia, such as the Institute for Scrap Recycling Industries and REMADE. Much of the research being conducted by those groups today is focused on developing process technologies, such as sorting, shredding, separation and baling.

While these are worthwhile endeavors in potentially improving primary recycling efficiency, they do not directly create new market demand for the recovered materials. Fortunately, we have experienced a groundswell of interest from a number of other parties that are interested in exploring new and potentially better uses for post-consumer mattress materials, which is an encouraging sign.

In 2019, MRC entered into an agreement with Covestro, a global manufacturer of, among other things, polyurethane chemicals used to make mattress foams. Under this agreement, both parties are pooling resources to lay the foundation for a number of projects, including developing commercially and environmentally viable solutions for converting post-consumer flexible foam into a wide array of useful products, potentially including “closed-loop” flexible foam (that is, converting used foam back to its chemical constituents and using those chemicals to make new foam).

GASIFICATION AND PYROLYSIS

Gasification is a process by which mixed plastics and organics are converted to either fuels or useful chemicals in the presence of oxygen. Pyrolysis, by contrast, involves a similar conversion without oxygen. In 2019 and 2020, MRC continued to monitor

developments in this area for the purpose of assessing whether the technology could be applicable for difficult to recycle materials. Collaborative discussions were held with experts and industry leaders who have made significant investments in this technology platform.

The economic viability of these processes may improve as a result of China's well-documented policy change that significantly reduced its global purchases of recycled materials. This development forced U.S. recyclers to seek alternative markets for their materials and ultimately prompted renewed interest in establishing new domestic pyrolysis and gasification capacity. In the past year, several significant developments were noted. In January 2019, the Alliance Against Plastic Waste was founded with support of several global materials manufacturers. A key part of this consortium's mission is to advance technologies which address the end life of single-use plastics. Gasification and pyrolysis technologies are potential solutions. Process research and development thereby received renewed interest and significantly increased funding.

However, pyrolysis and gasification facilities also faced considerable economic headwinds due largely to softening demand for their outputs and falling oil prices. Some facilities closed, overall capital investment has declined, and financial community reviews are mixed. In a 2016 report, Mackenzie reported that gasification technologies are on the cusp of long-term sustainable growth driven by transformative increases in plastics recycling.[1] By contrast, GAIA's 2017 technology risk assessment was far less favorable indicating the risks were much higher than proponents claim.[2]

In consultation with technical experts, we learned that a significant number of developers have changed focus away from waste-to-fuel production toward waste-to-chemical production. The main logic behind this shift is that chemicals will generate higher margins and be less susceptible to energy market price volatility. With this shift comes a new set of challenges. Foremost is that greater feedstock consistency is required to operate waste-to-chemical facilities efficiently. For several technical reasons, waste-to-chemical facilities also are engineered to deliver smaller volume outputs.

MRC sees these as potentially favorable developments. Recovered mattress materials represent a consistent quality feedstock that could be economically converted to useful chemicals in these types of facilities. Smaller capacity facilities are also more amenable to matching mattress recyclers' output capacity. Formidable technical challenges remain but we see enough potential to continue monitoring developments in this field.

MRC has refrained from directly funding research projects in this area. At this point, even though advancements have been made, technical risk is still considered high. The potential benefits are also longer term. Recently, we have been invited to participate in some feasibility studies funded by others. While MRC is not funding or actively

[1] https://www.mckinsey.com/industries/chemicals/our-insights/how-plastics-waste-recycling-couldtransform-the-chemical-industry#

[2] https://www.no-burn.org/wp-content/uploads/Waste-Gasification-and-Pyrolysis-high-risk-low-yield-processes-march-2017.pdf

participating in these studies, we are communicating with these researchers to learn and collaborate on efforts that support our circular economy objectives. With these and other emerging technologies, MRC will continue to proactively engage the innovation community and support research as opportunities present themselves.



MRC remains committed to creating a program that is convenient and accessible for all Connecticut residents and businesses.

RECOMMENDATIONS FOR CHANGE

RECOMMENDATIONS FOR CHANGE

Based on MRC's experience throughout the program's five years of operations, MRC proposes no changes to the program at this time.



MRC has achieved or exceeded many goals from the program plan and is making progress towards updated performance goals.

CONCLUSION

CONCLUSION

Connecticut's mattress recycling program is an excellent example of a public-private partnership making a difference in addressing a persistent problem: What to do with a bulky and worn-out mattress at the end of its useful life. In 2020, MRC is celebrating the fifth year of this landmark program, which has collected more than three quarters of a million mattresses in Connecticut and diverted more than 14,000 tons of material from the waste stream.

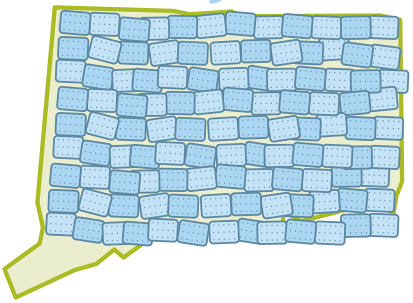
To get to this point, MRC has achieved numerous performance goals, implemented comprehensive outreach and education efforts to inform both consumers and industry audiences about mattress recycling in Connecticut and diligently increased the number of covered entities that participate in the program.

Working collaboratively with DEEP, the waste industry, local leaders, nonprofits and others, MRC administers a collection network with an impressive footprint – we have established a collection site in nearly every municipality and collect discarded units through curbside bulky item programs, collection events and hundreds of commercial volume sources (such as retailers, hotels and schools). MRC contracts with local businesses and nonprofits to transport and recycle these units.

In addition to making it easier for consumers, businesses and local governments to recycle these products, this program provides significant environmental benefits. In five years:

860,000

MRC recyclers deconstructed 860,000 units and sold the reclaimed materials to entities that make new consumer and industrial products such as filters, insulation, carpet padding or steel rebar. To put this metric into perspective, if laid end to end, these units would span over 1,000 miles, equivalent to more than nine trips across Connecticut.



935



MRC recyclers salvaged more than 14,000 tons of material that has been used to reduce the need to consume new raw materials. Absent such beneficial recycling, Connecticut's waste-to-energy facilities and landfills would have been burdened by 935 truckloads of additional waste.

MRC and the mattress industry are committed to improving the program further by investing in important research to create new end markets for mattress materials, encouraging manufacturers to consider recycling challenges when designing new products and promoting circular economy goals. By continuing to work with DEEP and other Connecticut stakeholders, MRC intends to further enhance the scope and efficiency of this already successful public-private partnership.



APPENDICES

APPENDIX A: 2019 - 2020 FISCAL YEAR

Connecticut Department of ENERGY & ENVIRONMENTAL PROTECTION

Connecticut Mattress Stewardship Program - Annual Report
Appendix A – Tonnages of CT Mattresses Managed through the CT Mattress Stewardship Program

Report Submitted by: *Mattress Recycling Council (MRC)*
Reporting Period: *Fiscal Year (FY) _____ July 1* 2019 *thru June 30* 2020

Table 1 Summary of CT Mattresses Management through the MRC CT Program

	FY Tonnage
MRC CT Mattresses *Delivered to an MRC Contracted Mattress Recycling Facility* for Processing	5,192.9
MRC CT Mattress Material Recovered (from MRC mattresses processed) & *Sent Out for Recycling* by MRC Contracted Recycling Facilities	3,403.1
MRC CT Mattress Processing Residue (from MRC mattresses processed) *Sent Out for Disposal by* MRC Contracted *Recycling Facilities*	1,266.1

Table 2 - Sources of CT Mattresses Managed through the MRC CT Program

Source or Aggregation Site	FY Tonnages Collected & Managed through the MRC CT Program
CT Municipal Transfer Stations (report details in Table 6)	3,319.5
CT Regional Solid Waste Facilities (e.g. Resource Recovery Facilities, Volume Reduction Plants, Regional Transfer Stations, Recycling Facilities, etc.)	494.4
CT Correctional Facilities	0
CT Hospitals	4.9
CT Hotels	149.5
CT Military Base	8.6
CT Retailers	926.4
CT Schools/Universities	107.9
CT Other: Other	181.7
CT Other:	
TOTAL	5,192.9

Table 3 - Recycling Facilities which Received & Processed CT Mattresses Managed through the MRC CT Program

Facility- Name and Address	Fiscal Year Tonnage MRC CT Mattresses Received	FY Tonnage MRC CT Mattresses Processed
Park City Green, 459 Iranistan Avenue, Bridgeport, CT	1,655.8	1,677.1
Willimantic Waste, 185 Recycling Way, Willimantic, CT	3,537.1	3,537.1
TOTAL	5,192.9	5,214.2

Table 4 - Tonnages & Types of CT Mattress Material Managed and *Recycled* through the MRC CT Program (Please note: material, other than waste oil, incinerated with or without energy production is not considered recycled)

Type of Material Recycled	Type of Recycling Destination	FY Tonnage Recycled
Scrap Metal	Recycling Processing Facility Other –Specify:	1,574.7
Foam	Manufacturer-End User Other –Specify:	185.2
Cotton	Manufacturer-End User	0

APPENDIX A: 2018 - 2019 FISCAL YEAR

Type of Material Recycled	Type of Recycling Destination	FY Tonnage Recycled
	Other –Specify:	
Wood	Manufacturer-End User Other –Specify:	195.7
Other – Specify type: Quilts & Toppers	Manufacturer-End User Other –Specify:	104.6
Other – Specify type: Felt/Shoddy	Recycling Processing Facility Other –Specify:	0
Other – Specify type: Cardboard	Recycling Processing Facility Other –Specify:	96.3
Other – Specify type: Plastic	Recycling Processing Facility Other –Specify:	121.9
Other – Specify type: Biomass (wood)	Other-Specify Other –Specify: Biomass	1,094.0
Other – Specify type: Coconut	Other-Specify Other –Specify: End User	30.7
Other – Specify type:	Other-Specify Other –Specify:	
TOTAL CT Mattress Material Managed and *RECYCLED* through the MRC CT Program		3,403.1

Table 5 - Tonnages & Types of CT Mattress Material Managed and *Disposed* through the MRC CT Program

Type of Material Disposed	Disposal Management	FY Tonnage
Residue	Incineration with Energy Production	446.9
Residue	Buried in a Landfill	819.2
	Other	
	Choose from Dropdown	
	Choose from Dropdown	
	Choose from Dropdown	
TOTAL CT Mattress Material Managed and *DISPOSED* through the MRC CT Program		1,266.1

Table 6 - Detail Regarding Mattress Tonnage Aggregated at CT Municipal TSs or Other CT Municipally Owned and/or Operated Site and Managed through the CT MRC Program

Municipal Transfer Station or Other Municipal Property where Mattresses were Aggregated through the CT MRC Program	Fiscal Year Tonnage
See attached.	

APPENDIX A: 2018 - 2019 FISCAL YEAR

Municipal Transfer Station or Other Municipal Property where Mattresses were Aggregated through the CT MRC Program	Fiscal Year Tonnage

Add additional lines if needed

Part 2 - CERTIFICATION and SIGNATURE

This document, which is required to be submitted by the Mattress Recycling Council (pursuant to CGS Sec 22a-905a(j), to the Commissioner of the Department of Energy Environmental Protection , shall be signed by the chief executive officer or a duly authorized representative of such officer as those terms are defined in §22a-430-3(b)(2) of the Regulations of Connecticut State Agencies, and by the individual(s) responsible for actually preparing such document, and each such individual shall certify in writing as follows:

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, that the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement made in the submitted information may be punishable as a criminal offense under §53a-157b of the Connecticut General Statutes and any other applicable law."

Signature of the CEO or *duly authorized representative of CEO*: Date: 10/12/2020

Printed name: **Ryan Trainer**

Signature of ***person responsible for preparing report***: Date: 10/12/2020

Printed name: **Daniel McGowan** Title: **Northeast Program Coordinator** Phone: 860-830-3832

E:mail Address: **dmcgowan@mattressrecyclingcouncil.org**

Rev May 23, 2016

APPENDIX A: NOTES

MRC provides the following notes to clarify its interpretation of certain terms used on the form provided by the Connecticut Department of Energy and Environmental Protection (DEEP) and to elaborate on certain other information MRC has provided on that form. These notes are to be considered an integral part of the information MRC has provided on the DEEP form that is included in this Appendix.

1. **"Mattresses"** refers collectively to mattresses and box springs. Together, mattresses and box springs are also referred to as **"units."**

2. **Tonnage:** All tonnage figures reported on this form are based on data provided to MRC by unrelated third parties under contract with MRC. To estimate the weight of units one MRC recycler reported to MRC for purposes of this annual report as having been received and processed, MRC converted the number of units into tonnage using an average weight of 55 pounds per unit. One MRC recycler submitted actual weights therefore estimating at 55 pounds per unit was not necessary. Most MRC recyclers provide to MRC actual weights for the amount of recyclable material, biomass and residue that their operations generate. MRC estimated the outbound weights specific to Connecticut for one recycler that works with MRC's programs in both Connecticut and Rhode Island, because their reporting method necessitated that estimation.

3. **In Table 1:**

   a. Mattresses "Delivered to an MRC Contracted Mattress Recycling Facility for Processing" refers to discarded mattresses and box springs received by MRC recyclers for dismantling and recycling.
   b. Material "Sent Out for Recycling" refers to recyclable commodities obtained from dismantled mattresses and box springs that MRC recyclers sell or transfer to third parties for use in manufacturing new products or as biomass fuel.
   c. Residue "Sent Out for Disposal" refers to the weight of mattresses and box springs (in whole or in part) that are not recyclable (e.g. because the material is too soiled or contaminated or there are no viable secondary markets, etc.) and has been transferred for disposal at a waste-to-energy facility or landfilled as municipal solid waste.
   d. Outbound shipments of materials recycled do not include unprocessed units or recyclable material still in inventory. MRC is currently working with recyclers on standard operating procedures and internal controls for the collection and reporting of inbound and outbound weight data.

4. **In Table 2:**

   a. The "Consumer Incentive Mattress" category was removed because MRC has no data to report for this topic this reporting period.
   b. "Other" refers to miscellaneous sources not specifically defined in the law, (e.g. property managers, junk haulers or storage facilities).

5. **In Table 4:**

   a. "Biomass" refers to wood reclaimed from dismantled box springs that is converted into biomass fuel for use in generating electric power. An MRC recycler processes wood to create a final product for biomass fuel. Since the recycler sells this product to an end user for energy production, MRC classifies it as recycled wood.

6. **In Table 5:**

   a. "Residue" refers to non-recyclable material removed from discarded mattresses and box springs processed by MRC recyclers that is sent for disposal at a waste-to-energy facility or landfill. Residual material includes contaminated or unrecyclable mattress components for which there are no viable secondary markets.

APPENDIX A: TABLE 6

PERMANENT COLLECTION SITES 2019-2020

COLLECTION LOCATION	FY2019 TONS
Andover Transfer Station	8.0
Ansonia Transfer Station	32.2
Ashford Transfer Station	20.1
Avon Landfill Transfer Station	18.7
Beacon Falls Public Works	2.0
Berlin Transfer Station	24.4
Bethany Recycling Center	7.4
Bethel Transfer Station	6.9
Bethlehem Transfer Station	11.8
Bolton Transfer Station	2.7
Bozrah Transfer Station	1.8
Branford Transfer Station	44.9
Bridgeport Transfer Station	91.2
Bridgewater Transfer Station	1.7
Bristol Transfer Station	78.6
Brooklyn Resource and Recovery Station	21.0
Burlington Transfer Station	17.6
Canaan Transfer Station	3.1
Canterbury Transfer Station	16.6
Canton Transfer Station	17.4
Chaplin Transfer Station	7.0
Cheshire Collection Event	18.2
Clinton Transfer Station	15.8
Colchester Transfer Station	21.5
Columbia Transfer Station	3.7
Cornwall Transfer Station	5.7
Coventry Transfer Station	16.8
Cromwell Transfer Station	17.9
Danbury Mom & Pop Transfer Station	11.5
Darien Transfer Station	18.1
Durham-Middlefield Transfer Station	31.5
East Granby Transfer Station	8.4
East Haddam Transfer Station	24.4
East Hampton Transfer Station	8.9
East Hartford Transfer Station	114.3
East Haven Landfill	1.4
East Lyme Transfer Station	37.6
East Windsor Recycling Center	8.9
Eastford Transfer Station	6.4
Essex Transfer Station	13.1
Farmington Department of Public Works	23.6
Franklin Transfer Station	2.0
Glastonbury Transfer Station/Recycling Facility	43.9
Granby Transfer Station	21.2
Greenwich - Holly Hill Transfer Station	10.6
Griswold Transfer Station	18.4
Groton Transfer Station	46.6
Guilford Transfer Station	65.0

COLLECTION LOCATION	FY2019 TONS
Haddam Transfer Station	18.1
Hamden Transfer Station	29.4
Hampton Transfer Station	8.8
Hartford Bulky Waste and Recycling Center	394.6
Harwinton Collection Event	1.7
Hebron Transfer Station	17.5
Kent Transfer Station	3.6
Killingly Transfer Station	20.3
Lebanon Transfer Station	15.3
Ledyard Transfer Station	19.7
Litchfield Recycling Center	13.9
Lyme Bulky Waste Transfer Station	3.2
Manchester Transfer Station	143.3
Mansfield Transfer Station	18.5
Marlborough Transfer Station	10.8
Meriden Transfer Station	25.5
Middletown Recycling Center	73.0
Milford Transfer Station	38.2
Montville Transfer Station	41.8
Morris Transfer Station	6.9
Naugatuck Transfer Station	30.4
New Britain Transfer Station	36.5
New Fairfield Drop Off Center	10.6
New Haven Transfer Station	37.1
New London Transfer Station	81.5
New Milford Transfer Station	17.3
Newtown Transfer Station	29.2
Norfolk Transfer Station	6.6
North Branford Collection Event	0.3
North Canaan Transfer Station	9.7
North Stonington Transfer Station	15.0
Norwich Transfer Station	117.7
Old Lyme Transfer Station	28.6
Old Saybrook Transfer Station	41.7
Orange Collection Event	0.5
Oxford Transfer Station	15.5
Plainville Transfer Station	9.3
Plymouth Transfer Station	23.2
Pomfret Transfer Station	6.4
Portland Transfer Station	16.1
Preston Transfer Station	9.6
Prospect Recycling Center	16.5
Putnam Transfer Station	22.4
Redding Transfer Recycling Center	2.2
Regional Refuse District #1	40.6
Ridgefield Transfer Station	24.8
Rocky Hill Transfer Station	38.7
Salem Transfer Station	8.4

APPENDIX A: TABLE 6

COLLECTION LOCATION	FY2019 TONS
Salisbury-Sharon Transfer Station	21.5
Shelton Transfer Station	36.8
Simsbury Transfer Station	43.1
Somers Transfer Station	25.3
Southbury Transfer Station	24.9
Southington Bulky Waste Transfer Station	70.7
Sprague Transfer Station	9.7
Stamford Collection Event	1.3
Stonington Solid Waste Facility	39.3
Suffield Landfill	23.7
Thomaston Transfer Station	7.0
Thompson Transfer Station	26.0
Union Transfer Station	4.5
Voluntown Transfer Station	9.5
Waterford Transfer Station	39.7
Watertown Transfer Station	26.1
West Hartford Recycling Center	48.6
West Haven Public Works	5.3
Westbrook Transfer Station	16.3
Wethersfield Transfer Station	31.8
Willington Transfer Station	12.2
Windham Transfer Station	55.0
Windsor Transfer Station	41.7
Wolcott Transfer Station	22.5
Woodbury Transfer/Recycling Center	11.0
Woodstock Transfer Station	15.2
TOTAL	**3,319.5 TONS**

APPENDIX B: COLLECTION PARTICIPANTS

AS OF JUNE 30, 2020

COLLECTION SITES

MUNICIPAL COLLECTION SITES (118 sites & 130 served) Site limits access to its city or town residents.

Andover
Ansonia
Ashford
Avon
Beacon Falls
Berlin
Bethany
Bethel
Bethlehem
Bolton
Bozrah
Branford
Bridgeport
Bridgewater
Bristol
Brooklyn
Burlington
Canaan
Canterbury
Canton
Chaplin
Clinton**
also serves Killingworth
Colchester
Columbia
Cornwall
Coventry
Cromwell
Danbury Mom & Pop
Darien
Durham**
also serves Middlefield
East Granby
East Haddam
East Hampton
East Hartford*
East Haven
East Lyme
East Windsor
Eastford
Essex
Franklin
Glastonbury
Granby
Greenwich
Griswold
Groton
Guilford**
also serves Madison
Haddam
Hamden
Hampton**
also serves Scotland
Hartford*
Hebron
Kent
Killingly
Lebanon
Ledyard
Litchfield
Lyme
Manchester*
Mansfield
Marlborough
Meriden
Middletown
Milford
Montville
Morris
Naugatuck
New Britain
New Fairfield
New Haven
New London
New Milford**
also serves Sherman, Brookfield
Newtown
Norfolk
North Canaan
North Stonington
Norwich
Old Lyme
Old Saybrook
Oxford Public Works
Plainfield**
also serves Lisbon
Plainville
Plymouth
Pomfret
Portland
Preston
Prospect
Putnam
Redding
Regional Refuse - Barkhamsted**
also serves Winsted, New Hartford
Ridgefield
Rocky Hill
Salem
Salisbury**
also serves Sharon
Shelton
Simsbury
Somers
Southbury
Southington
Sprague
Stonington
Stratford
Suffield
Thomaston
Thompson
Union
Voluntown**
also serves Sterling
Waterford
Watertown
West Hartford
West Haven
Westbrook
Wethersfield
Willington
Windham
Windsor**
also serves Bloomfield
Wolcott
Woodbury
Woodstock

* curbside collection program
** serve surrounding areas as noted

APPENDIX B: COLLECTION PARTICIPANTS

SPECIAL COLLECTIONS

SITE	
Cheshire	Fall drop off event
Farmington	Spring and Fall curbside collection
Harwinton	Spring and Fall drop off event
Orange	Fall drop off event
Stamford	Summer drop off event
North Branford	Fall drop off event

STATEWIDE ACCESS

SITE
Salvation Army Newington
Salvation Army Hartford
Park City Green

APPENDIX C: STAKEHOLDER OUTREACH

JULY 1, 2019 - JUNE 30, 2020

DATE	EVENT	LOCATION	STAKEHOLDER GROUP
7/1/19	Seasonal Reminder 2019	Email	Collection Sites & Recyclers
7/17/19	Connecticut Recyclers Coalition Meeting	Hartford, CT	Waste & Recycling Industry
7/25/19	Talalay Global Tour	Shelton, CT	Mattress Industry
7/28 - 8/2/19	Las Vegas Summer Market	Las Vegas, NV	Mattress Industry
8/6/19	EPA Region 1	Email	Healthcare Facilities
8/20/19	Connecticut Recyclers Coalition Meeting	Hartford, CT	Waste & Recycling Industry
9/1/19	European Bedding Industry Association	Webinar	Mattress Industry & End Markets
9/7/19	CT Folk Festival	New Haven, CT	Residents and Consumers
9/14 - 9/15/19	Health Wellness & Lifestyle Expo	Stamford, CT	Residents and Consumers
9/20/19	Connecticut Recyclers Coalition Annual Meeting	Hartford, CT	Waste & Recycling Industry
9/26/19	CT Green Lodging	Manchester, CT	Lodging Facilities
10/2/19	Association for the Advancement of Sustainability in Higher Education	Webinar	Educational Facilities
10/7/19	Polyurethane Annual Conference	Orlando, FL	End Markets
10/16/19	Connecticut Recyclers Coalition Meeting	Hartford, CT	Waste & Recycling Industry
10/22/19	CT DEEP SWAC	Hartford, CT	Municipalities
10/29 - 30/19	Northeast Recycling Council Fall Conference	Providence, RI	Waste & Recycling Industry
10/31/19	PERC WTE	Orrington, ME	Waste & Recycling Industry
11/7/19	Bedbug Forum	New Haven, CT	Collection Sites & Recyclers
11/15/19	EPA's America Recycles Day Summit	Washington, DC	Environmental, Waste & Recycling, End Markets
11/20/19	Connecticut Lodging Association	Hartford, CT	Lodging Facilities
11/22/19	Connecticut Recyclers Coalition Meeting	Hartford, CT	Waste & Recycling Industry
12/3/19	Connecticut Conference of Municipalities	Foxwoods, CT	Municipalities
12/4/19	Live Green Stakeholder's Reception	Norwalk, CT	Environmental, Waste & Recycling Industry
12/18/19	Connecticut Recyclers Coalition Meeting	Hartford, CT	Waste & Recycling Industry
1/14/20	Connecticut Recyclers Coalition Meeting	Hartford, CT	Waste & Recycling Industry
1/26 - 1/30/20	Las Vegas Winter Market	Las Vegas, NV	Mattress Industry
1/28/20	CT DEEP SWAC	Hartford, CT	Municipalities
1/30/20	Connecticut Recyclers Coalition Annual Conference	Hartford, CT	Waste & Recycling Industry
2/2 - 2/4/20	Northeast Furniture & Accessories Market	Edison, NJ	Mattress Industry
2/11/20	CT Product Stewardship Council	Conference Call	Environmental, Waste & Recycling Industry
2/11 - 2/14/20	Keep America Beautiful National Conference	Memphis, TN	Environmental, Waste & Recycling Industry
2/18/20	Connecticut Recyclers Coalition Meeting	Hartford, CT	Waste & Recycling Industry

DATE	EVENT	LOCATION	STAKEHOLDER GROUP
2/19/20	Connecticut Council of Small Towns Annual Meeting	Plantsville, CT	Municipalities
2/25 - 2/26/20	SWANA	Portland, ME	Waste & Recycling Industry
3/4/20	CT Product Stewardship Council	Conference Call	Environmental, Waste & Recycling Industry
3/18/20	Connecticut Recyclers Coalition Meeting	Conference Call	Waste & Recycling Industry
3/27/20	COVID-19 Resources Roundtable	Conference Call	Waste & Recycling Industry
4/9/20	COVID-19 Resources Roundtable	Conference Call	Waste & Recycling Industry
4/15/20	COVID-19 Recycling Facilities Best Practices	Conference Call	Waste & Recycling Industry
4/15/20	Connecticut Recyclers Coaliton Meeting	Conference Call	Waste & Recycling Industry
4/23/20	COVID-19 Resources Roundtable	Conference Call	Waste & Recycling Industry
4/23/20	EPA Sustainable Materials Management	Webinar	Waste & Recycling Industry
5/11/20	CT DEEP EPR Webinar	Webinar	Environmental, Waste & Recycling Industry
5/20/20	Connecticut Recyclers Coalition Meeting	Conference Call	Waste & Recycling Industry
5/28/20	COVID-19 Resources Roundtable	Webinar	Waste & Recycling Industry
6/17/20	Connecticut Recyclers Coalition Meeting	Conference Call	Waste & Recycling Industry
6/18/20	Seasonal Reminder 2020	Email	Collection Sites & Recyclers
6/23/20	CT DEEP SWAC presentation	Webinar	Municipalities

APPENDIX D: REGISTERED PRODUCERS

AS OF SEPTEMBER 1, 2020

ACCOUNT	DBA NAME
AC Pacific Corporation	AC Pacific Corporation
airweave, LLC	airweave, LLC
Alessanderx Spa	Alessanderx Spa
Allied Aerofoam LLC	Allied Aerofoam, LLC
American Pacific Plastic Fabricators Inc	Sterling Sleep Systems
AMF Support Surfaces, Inc.	Restex
Anodyne Medical Device, Inc.	Tridien Medical
Apartment Furnishings Company, Inc.	Apartment Furnishings Co. Inc.
Ascion LLC	Reverie
Ashley Furniture Industries, Inc.	Ashley Furniture Industries, Inc..
Avatar Enterprises, Inc.	Comfortex
Barnhardt Manufacturing Co.	BedInABox
Best Price Mattress, Inc.	Best Price Mattress
Bestar, Inc.	Bestar Inc.
Bigolbed, Inc.	Bigolbed
BIO SLEEP CONCEPT, Inc.	Bio Sleep Concept
Blue Bell Mattress Co. LLC	King Koil Northeast
Bob Barker Company, Inc.	Bob Barker Company, Inc.
Bourdon's Institutional Sales, Inc.	Bourdon's Institutional Sales, Inc.
Boyd Flotation, Inc.	Boyd Specialty Sleep
Brentwood Home LLC	Silver Rest Sleep Products
Brick Church Manufacturing LLC	Brick Church Mfg.
Carico International, Inc.	Carico Internaitonal, Inc.
Carpenter Co.	Carpenter Co.
Children's Products LLC	Simmons Juvenile Furniture
Classic Brands LLC	Classic Brands
COA, Inc..	Coaster Company of America
Columbia Mattress & Upholstery Company, Inc.	Columbia Mattress & Upholstery Company
Comfort Bedding of the USA LLC	Comfort Bedding of the USA LLC
Comfort Revolution LLC	Comfort Revolution LLC
Comfort Sleep Systems Inc.	Comfort Sleep Systems
Corsicana Bedding LLC	Corsicana Mattress Co.
CVB, Inc.	LUCID® MATTRESS, WELLSVILLE®, LINENSPA®
Denver Mattress Company LLC	Denver Mattress Co.
Dorel Home Products	Ameriwood Industreis Inc.
DUX Interiors, Inc.	DUX Interiors, Inc.
E&E BEDDING CO. Inc..	Spring Air
E.S. Kluft & Company, LLC	Aireloom Mattress
Eastern Sleep Products Co., Inc.	Symbol Mattress
Eco Bedroom Solutions LLC	Ergovea Natural Mattress
Elite Foam, Inc.	Elite Foam, Inc.
Engineered Sleep LLC	Engineered Sleep LLC
Ergomotion, Inc.	Ergomotion, Inc.

APPENDIX D: REGISTERED PRODUCERS

AS OF SEPTEMBER 1, 2020

ACCOUNT	DBA NAME
Eric Casey	Mattress By Appointment
Ethan Allen Retail, Inc.	Ethan Allen
Eve Sleep, Inc.	Eve Sleep, Inc.
Exel, Inc.	Exel, Inc.
Ezine, Inc.	Eastern Accents
Factory Direct Inc.	Lady Americana SW
Fibre Processing Corporation	Fibre Processing Corporation
Flex-A-Bed, Inc.	Flex-A-Bed
Flotation Innovations, Inc.	Innovations
Foam Sweet Foam, Inc.	Foam Sweet Foam
Fredman Bros. Furniture Company, Inc.	Glideaway Sleep Products
Friendship Upholstery Company Inc.	Friendship Upholstery Company Inc.
Future Foam, Inc.	Foam Craft
Future Foam, Inc.	Future Foam, Inc.
FXI, Inc.	FXI, Inc.
GF Health Products, Inc.	GF Health Products, Inc.
Hammer Bedding Corp	Shifman Mattress
Health Care Co. Ltd	Health Care Co. Ltd.
Hickory Springs Manufacturing Company	HSM
Hickory Springs of California LLC	HSM
Hill-Rom, Inc.	Hill-Rom Company, Inc.; Hill-Rom Holdings, Inc.; Hill-Rom DTC, Inc.
IKEA Supply AG	IKEA
Inncor, Inc.	Sleep Innovations, Inc.
Innocor, Inc.	Innocor Comfort
Innovative Bedding Solutions, Inc.	IBS
Invacare Corporation	Invacare Corporation
Jeffco Fibres, Inc.	Jeffco Fibres, Inc.
Jiaxing Taien Springs Co., LTD	Jiaxing Taien Springs Co., LTD
Joerns Healthcare LLC	Joerns Healthcare
Jussi Beds	Colet & Scandinavian Bed Company & Carpe Diem
Keetsa, Inc.	Keetsa
Kingsdown, Inc.	Kingsdown, Inc.
Klaussner Home Furnishings, Inc.	Enso Sleep Systems
Latex Foam International LLC	Talalay Global
Leggett & Platt, Inc.	Leggett & Platt, Inc.
Linon Home Decor Products, Inc.	Linon Home Decor Products, Inc.
Lippert Components, Inc.	Lippert Components, Inc.
Live and Sleep LLC.	Live and Sleep
Magniflex USA Ltd.	Magniflex USA Ltd.
Mantua Manufacturing Company	Rize
Matelas Martin, Inc.	Literie Laurier
McNeilly's, Inc.	McNeilly's Furniture
Medical Depot, Inc.	Drive Medical Design and Manufacturing

APPENDIX D: REGISTERED PRODUCERS

AS OF SEPTEMBER 1, 2020

ACCOUNT	DBA NAME
Medline Industries, Inc.	Medical Device Manufacturer and Distributor
MFL, Inc.	MFL, Inc.
Michael Thomas Furniture, Inc.	The MT Company
Moonlight Slumber LLC	University Sleep Products
NASRA Enterprises LLC	NASRA Enterprises LLC
Naturally Beds, Inc.	Arizona Premium Mattress
Nature Sleep System LLC	Jazvin
Neiser Mattress and Furniture Corp.	Neiser Mattress and Furniture Corp.
Nipponflex LLC	Nipponflex LLC
Nitori USA, Inc.	Aki Home
Norix Group, Inc.	Norix Furniture
Norix Group, Inc.	Norix Group, Inc.
Northeast Mattress LLC	Northeast Mattress LLC
Norwalk Mattress Co., Inc.	Norwalk Mattress Co., Inc.
Oddello Industries LLC	Oddello Industries LLC
Organic Mattresses, Inc.	Organic Mattresses, Inc
Pacific Urethanes, LLC	Pacific Urethanes
Paramount Industrial Cos., Inc.	Paramount Sleep
Paramount Industrial Cos., Inc.	Paramount Sleep
PPJ LLC	Customatic Adjustable Bedz
Pragma Coroporation	Pragma Corporation
PranaSleep LLC	PranaSleep
Prestige Fabricators, Inc.	Prestige Fabricators, Inc.
Progressive Products, Inc.	Progressive Products, Inc.
Puffy LLC	Puffy Mattress
Purple Innovation LLC	Purple
Reliatex of Connecticut, Ltd.	Reliatex of Connecticut, Ltd.
Rest Easy LLC	Pacific Mattress Co.
Rest-Medic Sleep Products	Rest-Medic Sleep Products/Luen Tai Global Ltd
Restmore LLC.	Restmore
Restopedic, Inc.	Restopedic, Inc.
Restwell Mattress Co.	Restwell Mattress Factory
Revive Sleep, Inc.	Revive Sleep
Safavieh International LLC	Safavieh
Safe For Home Products LLC	Naturepedic
SBI LLC	SBI LLC
Seahawk Designs, Inc.	Seahawk Designs, Inc.
Sealy Mattress Manufacturing Company LLC	Sealy Mattress Manufacturing Co.
Select Comfort Retail Corporation	Sleep Number
Select Comfort SC Corporation	Comfortaire
Serta Simmons Bedding LLC	Serta and Simmons
Shanghai Shenbao Mattress Factory	Shanghai Shenbao Mattress Factory
Shen Zhen L&T Industrial Co. Ltd	Luen Tai Global Ltd.

APPENDIX D: REGISTERED PRODUCERS

AS OF SEPTEMBER 1, 2020

ACCOUNT	DBA NAME
ShenZhen Yun Lee Sponge Products Co. Ltd.D110	Luen Tail Global Ltd.
Shevick Sales Corp	Sleep on Latex
Sinomax USA, Inc.	Sinomax USA, Inc.
Sleep Studio LLC	Authentic Comfort
Sleeping Pure LLC	Sleeping Pure
Sleeptek MFG Limited	Sleeptek MFG Limited
Solstsice Sleep Products, Inc.	Solstice Sleep Products, Inc.
Sommex Bedding Corporation	Sommex Bedding Corporation
Somnium, Inc.	Somnium, Inc.
South Bay International, Inc.	South Bay International, Inc.
Southerland, Inc.	Southerland, Inc.
Span America Medical Systems, Inc.	Span America Medical Systems
Spring Coil of the USA LLC	Comfort Bedding of the USA LLC
Suite Sleep, Inc.	Suite Sleep
Switlik Parachute Company, Inc.	SWITLIK Comfort Technology
Technogel US, Inc.	Technogel US
Tempur Sealy International, Inc.	Tempurpedic, Tempur, Sealy, Stearns & Foster
Thanepohn Corp	Mattress Mill
The Bedding Group, Inc.	The Bedding Group, Inc.
The House of the Foaming Case, Inc.	Ortho Sleep Products
The Original Mattress Factory, Inc.	The Original Mattress Factory
The Standard Mattress Co.	Gold Bond
Therapedic of New England, LLC	Therapedic of New England
Therapedic Sleep Products Inc.	Therapedic, Eclipse, Eastman House
TudorHouseFurnitureco.,Inc..	Tudor House
Ultracomfort, Inc.	Qomfort
University Loft Company	University Loft Co.
Ureblock S.A. DE C.V.	Ureblock
Venture Products LLC	Venture Products LLC
Vinyl Products Mfg. Inc.	Vinyl Products Mfg., Inc.
Vispring Limited	Vispring Limited
Vi-Spring LImited	Vispring
Washabelle LLC	Washabelle LLC
Werner Media Partners LLC	Ghostbed
White Dove Mattress Ltd.	White Dove Mattress Ltd.
Woodhaven Furniture Industries	Woodhaven Furniture Industries
Yaasa Studios, Inc.	Yaasa Studios, Inc.
Yankee Mattress Factory, Inc.	Yankee Mattress Factory, Inc.
Zhejiang Alright Home Textiles Co., Ltd.	Zhejiang Alright Home Textiles Co., Ltd.

APPENDIX E: EDUCATION & OUTREACH MATERIALS

IN-STORE INFO CARDS





COMMUNITY EVENT INFO CARD



IN-STORE POSTER

Rest Easy! Your Old Mattress Can Be Recycled.

Drop it off at a nearby location or ask your retailer about taking it back.





Rhode Island law has created a mattress recycling program that requires retailers to collect a $16 fee on every mattress and box spring you purchase. This amount will be listed on your receipt as "recycling fee" and is subject to sales tax.

This fee is used to establish a network of collection sites and events where you can drop off your old mattress and box spring (regardless of when you bought them). When they are recycled, the steel, foam, fiber and wood are used to make other new products.

Mattress retailers that take used mattresses and box springs back from their Rhode Island customers may recycle them through the Program. Ask your retailer if they participate. *Delivery or set up fees for new mattresses may still apply.*

byebyemattress.com
A Program of the Mattress Recycling Council

Visit ByeByeMattress.com to learn more.



CUSTOMER QUESTIONS ABOUT THE MATTRESS RECYCLING FEE

This list of frequently asked questions (FAQs) is here to help. Please share with your staff.

1. Why do I have to pay the recycling fee and what is it for?
State law requires retailers to collect a recycling fee on each mattress and box spring that is sold. The fee funds the state's mattress recycling program and provides for collection, transportation and recycling of old mattresses and box springs. The amount of the fee is the same statewide and is not controlled by individual retailers. More than 50,000 mattresses a day are discarded in the United States and more than 80 percent of a mattress can be recycled into new consumer and industrial products. The recycling program diverts valuable materials from landfill and helps keep bulky waste like mattresses and box springs out of the waste stream.

2. Who is the Mattress Recycling Council?
The Mattress Recycling Council (MRC) is a nonprofit organization that operates recycling programs known as Bye Bye Mattress in states that have passed mattress recycling laws. MRC was founded by the bedding industry and recycles more than 1.5 million mattresses each year. For more information about MRC, go to www.MattressRecyclingCouncil.org. To learn how to recycle your mattress or to find a collection location or event near you, visit www.ByeByeMattress.com.

3. If I don't plan to discard a mattress now, why do I have to pay this fee?
Even if you aren't discarding a mattress right now, mattresses don't last forever and will eventually be discarded. State law requires retailers to collect this fee on any mattress or box spring sale to fund the state's mattress recycling program. This program provides a network of participating cities, towns, retailers, recyclers and other organizations where old mattresses are collected for recycling at no additional cost to you. The fee also supports efforts to combat illegal dumping of mattresses and help keep our community clean.

4. If I decide to take my old mattress to a recycler myself, do I still pay the fee?
Yes, state law requires retailers to collect this fee on any mattress and box spring sale at the time of purchase to fund the mattress recycling program. You may receive a modest financial incentive if you drop off your used mattress or box spring at a designated recycling location. Visit www.ByeByeMattress.com to find the location nearest you.

5. I didn't pay this fee when I bought my old mattress, so will it be accepted for recycling?
Yes, the Bye Bye Mattress program will accept your old mattress through our collection network no matter when it was originally purchased. To be recycled, units must be clean and dry. Normal wear and tear is expected. We cannot recycle units infested with bed bugs or that are heavily soiled or damaged.

- **MORE FAQs ON NEXT PAGE –**

PAGE 2 (MATTRESS RECYCLING FEE FAQs)

6. My old mattress was "unacceptable" for recycling. Can you refund my recycling fee?
No, state law requires retailers to collect this fee on any mattress and box spring sale to fund the mattress recycling program. The law does not force retailers to accept every mattress for recycling out of concern for employee health and safety. Store policy, in addition to the guidelines of the recycling program, determine what we will and won't accept. If your mattress is unacceptable for recycling, contact your city or town to learn what disposal options are available.

7. What are the benefits of mattress recycling?
Mattress recycling programs offer many benefits for the community, state and environment, including:

- Less reliance on incinerators and landfills by diverting mattresses from the waste stream
- Reduces the number of illegally dumped mattresses
- Conserves resources by making used steel, foam and other materials available for use in new products
- Creates recycling jobs

8. What happens to my old mattress or box spring when it gets recycled?
Recycled mattresses are cut open and the layers are separated and organized by type. Wood is recycled and used as a fuel source or shredded to produce landscaping mulch. Foam, fiber and other soft commodities are compressed and turned into carpet underlayment or animal bed padding. Metal and box springs are extracted, sent to recyclers and used to make new appliances and building materials.

9. Will the Mattress Recycling Council or Bye Bye Mattress program pick up my old mattress from my home?

If your store takes back old mattresses:
No, but our store offers this service at time of delivery of your new mattress. (If your store recycles with the program, please let the customer know. Otherwise direct them to drop off their mattress at one of our free collection points listed on www.ByeByeMattress.com.)

If your store does not take back old mattresses, your response should be:
Mattresses are collected from a vast network of free collection sites throughout the state. These are typically public works yards or transfer stations. Your city/town may also collect bulky items at curbside as part of your trash service. Visit www.ByeByeMattress.com to see what options are available. The Mattress Recycling Council does not pick up mattresses from customer's homes.

FYI - In California, mattress retailers are required by law to offer to take back old mattresses when delivering new ones. Retailers can work with MRC to have the used mattresses collected from customers recycled for free as part of our program.

NEED MORE INFORMATION? Please contact info@mattressrecyclingcouncil.org or call 1-855-229-1691.

THANK YOU FOR SUPPORTING THE MATTRESS RECYCLING COUNCIL'S BYE BYE MATTRESS PROGRAM.