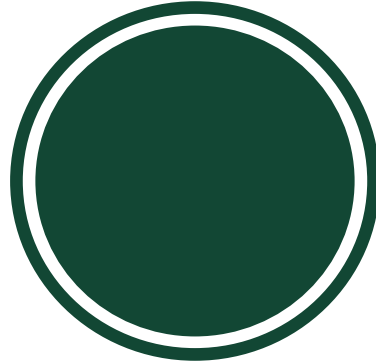


Housekeeping



**Insert questions
in the Q&A**

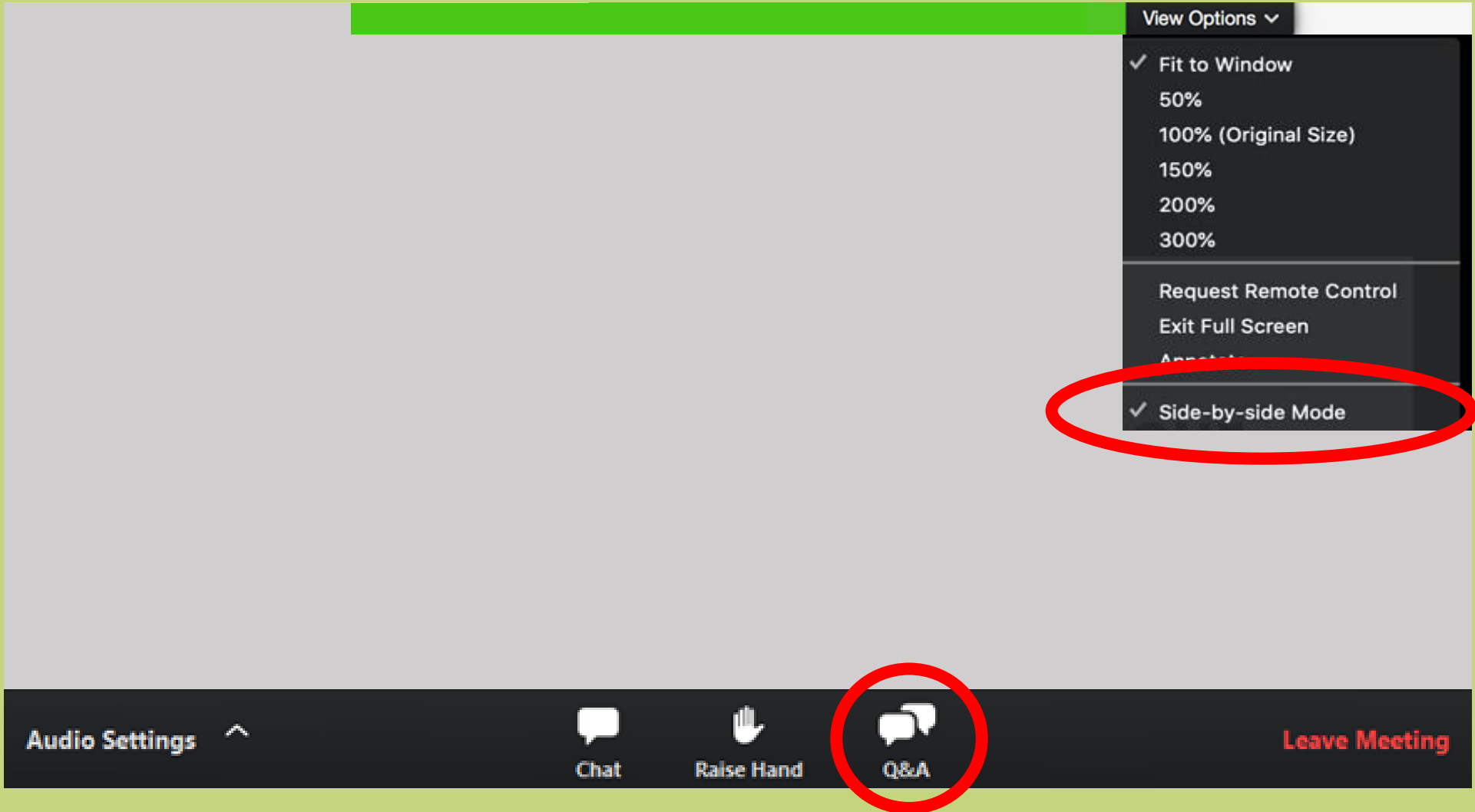


**This presentation is
being recorded**



**Please remain
muted**

Zoom Features



Agenda

Mass DEP Presentation

John Fischer, Deputy Division Director, Solid Waste

RecyclingWorksMA Presentation

Abbey Massaro & Heather Billings, Environmental Specialists

Waste Disposal Bans Q&A

Patrick Worley of Worleybeds & Erik Dyson of HandUp

Judy Lambert of Needham Community Council Thrift Store &
Nicole Pellagrino of Helpsy

Rebecca Burstein of Bentley University & Ben Grossman of SwagCycle

Susan DeCoursey of SMART

Q&A and Wrap up

Resources for Textiles, Mattresses, & Food Waste Diversion



RecyclingWorksMA Fall 2022 Forum | November 9, 2022



recyclingworksma.com




RecyclingWorks MA is funded by MassDEP, delivered under contract by the Center for EcoTechnology

RecyclingWorks Hotline

Interpretation Services Available in Over 100 Languages

info@recyclingworksma.com

888-254-5525



ABOUT US RECYCLE FOOD WASTE MATERIALS REUSE BLOG/EVENTS

Recycling Assistance for Businesses & Institutions

Any Material

- Manure
- Mattresses
- Medical and Lab Equipment
- Pallets
- Paper
- Plastic
- Plastics - PVC / Vinyl
- Plastics - Film
- Plastics - Rigid
- Porcelain / Toilets
- PV Solar Panels
- Scrap Metal
- Shredded Paper
- Single Stream
- Styrofoam
- Textiles / Fabrics**
- Tires
- Toner / Ink Cartridges
- Wood
- Yard Waste

Enter location

Pick Up/Drop Off

Search

Recycling assistance program funded by the Massachusetts Department of
under contract by the Center for EcoTechnology that helps businesses and
maximize recycling, reuse, and food recovery opportunities.

ABOUT RECYCLINGWORKS ABOUT THE FIND-A-RECYCLER TOOL

No-Cost Technical Assistance

Evaluate existing waste streams

Identify opportunities to prevent, recover, and divert waste

Employees education and training

Customized waste bin signage

Cost analysis for starting or expanding a waste diversion program

Connect with waste haulers and processors






Commercial Food Waste Ban

Effective November 1, 2022:

Entities generating 1/2 ton or more of food material per week

recyclingworksma.com/commercial-organics-waste-ban/



One-half ton of food waste fills approximately four of these 64-gallon carts.

Average Measurement		
Meals Served [Full-Service]	1	lbs/meal
Meals Served [Limited-Service]	0.5	lbs/meal
Employees [Full-Service]	3,000	lbs/employee/year
Employees [Limited-Service]	2,200	lbs/employee/year
Disposed Waste ¹ [Full-Service]	66	% of disposed waste by weight
Disposed Waste ¹ [Limited-Service]	51	% of disposed waste by weight



Estimating Food Waste Generation

recyclingworksma.com/food-waste-estimation-guide

Food Waste Estimation Guide

New Updates

Sample
calculations
reflect ½ ton
food waste per
week

If you are a full-service restaurant with **17 employees**, then:

$3,000 \text{ lbs/employee/year} * 17 \text{ full-time employees} = 51,000 \text{ lbs food waste generated/year}$

$51,000 \text{ lbs/year} \div 52 \text{ weeks/year} = 981 \text{ lbs/week} = 0.5 \text{ ton of food waste per week}$

If you have **150 guest rooms**, then:

$345.64 \text{ lbs/room/year} * 150 \text{ rooms} = 51,846 \text{ lbs/year}$

$51,846 \text{ lbs/year} \div 52 \text{ weeks/year} = 997 \text{ lbs/week} = 0.5 \text{ ton of food waste per week}$

recyclingworksma.com/food-waste-estimation-guide

SOURCE REDUCTION OF FOOD WASTE GUIDANCE

The US EPA's **Food Recovery Hierarchy** ranks source reduction at the top of its priorities as a strategy to reduce wasted food. Businesses should consider how each strategy on the EPA hierarchy can contribute to a comprehensive food waste reduction plan. While this guidance focused on preventing food waste, other RecyclingWorks guidance addresses **food donation** and **source separation** of food material for composting, anaerobic digestion or animal feed.



Why should my business reduce food waste?

- Waste Tracking
- Meal Planning
- Food Purchasing and Procurement
- Reduction Strategies
- Back of House

Find A Recycler

Choose A Material

Any Material

Location

Enter location

50 mi

Pick Up/Drop Off

Pick Up/Drop Off

Keyword

OR, try a keyword or biz name

FOOD DONATION GUIDANCE

The RecyclingWorks in Massachusetts program has worked with state and local health officials, food rescue organizations, food banks, and organizations with established food donation programs to develop this Food Donation guidance document by holding three stakeholder meetings across the state in Springfield (March 25, 2015), Worcester (April 9, 2015) and Boston (April 29, 2015). The information gained from the meetings was used to create this guidance document.

The US EPA's Food Recovery Hierarchy ranks feeding hungry people near the top of its priorities as a strategy to reduce wasted food. Businesses should consider how each strategy on the EPA Hierarchy can contribute to a comprehensive food waste reduction plan.

This document is intended to provide guidance to organizations interested in establishing Food Donation programs by offering a broad overview of how successful food donation programs



Find A Recycler

Choose A Material

Any Material

Location

Enter location

50 mi

Pick Up/Drop Off

Pick Up/Drop Off

Keyword

OR, try a keyword or biz name

SOURCE SEPARATION GUIDANCE

The RecyclingWorks in Massachusetts program has worked with local health officials to develop recommended Best Management Practices (BMPs) for use by health agents to support and inform local oversight of commercial food waste collection programs. The commercial organics waste disposal ban affects any business or institution that disposes of one ton or more of food waste per week, effective October 1, 2014. Effective November 1, 2022, the MassDEP is lowering the threshold for the commercial organics ban so that it applies to businesses and institutions generating one-half ton or more food waste per week. These BMPs are also intended to serve as a resource to businesses and institutions and their haulers. This is not regulatory language and these practices may need to be modified to fit varying site specific conditions. The RecyclingWorks program will consider revising the BMPs in the future as needed. Any suggestions should be sent to Info@recyclingworksma.com.

Kitchen Separation

Recommended practices for source separation, starting in the kitchen

Find A Recycler

Choose A Material

Any Material

Location

Enter location

50 mi

Pick Up/Drop Off

Pick Up/Drop Off

Keyword

OR, try a keyword or biz name

recyclingworksma.com/source-reduction-guidance/

recyclingworksma.com/donate/

recyclingworksma.com/local-health-department-guidance-for-commercial-food-waste-separation/



We compost with
BLACK EARTH COMPOST
and you can too!

Food scraps from our community are
composted and used to nourish the
soil and plants in these planters.
Visit blackearthcompost.com



recyclingworksma.com/johnnys-luncheonette

Educational signage for staff
and customers

Collects 600-700 pounds of
food scraps per week for
composting

Reduced nuisance conditions
in trash area



MassDEP Disposal Ban on Textiles

Applies to all textiles including bedding, clothing, curtains, fabric, footwear, towels, and similar items.

Must be dry and free of mold, bodily fluids, insects, oil, or hazardous substances.



Highest & Best Use: Resale

Donate & Repurpose (not
resold, but reused or
upcycled)

Wiping Cloths

Shoddy

TEXTILES GUIDANCE

How to connect with a textile reuse organization or processor

Factors to consider

- Type

- Quantity

- Preparation

- Transportation

On-site bin for different sectors

Textile destruction

Old Stone Mill Center

Zero Waste Maker Space

ADAMS, MASSACHUSETTS

ALADCO
LINEN SERVICES



Blue Q



Donates thousands of items to **ServiceNet**, a human services organization in Western Massachusetts.

Items include excess, new inventory of toothbrushes, socks, oven mitts, and dish towels.

RecyclingWorks connected Blue Q to the Massachusetts Housing and Shelter Association

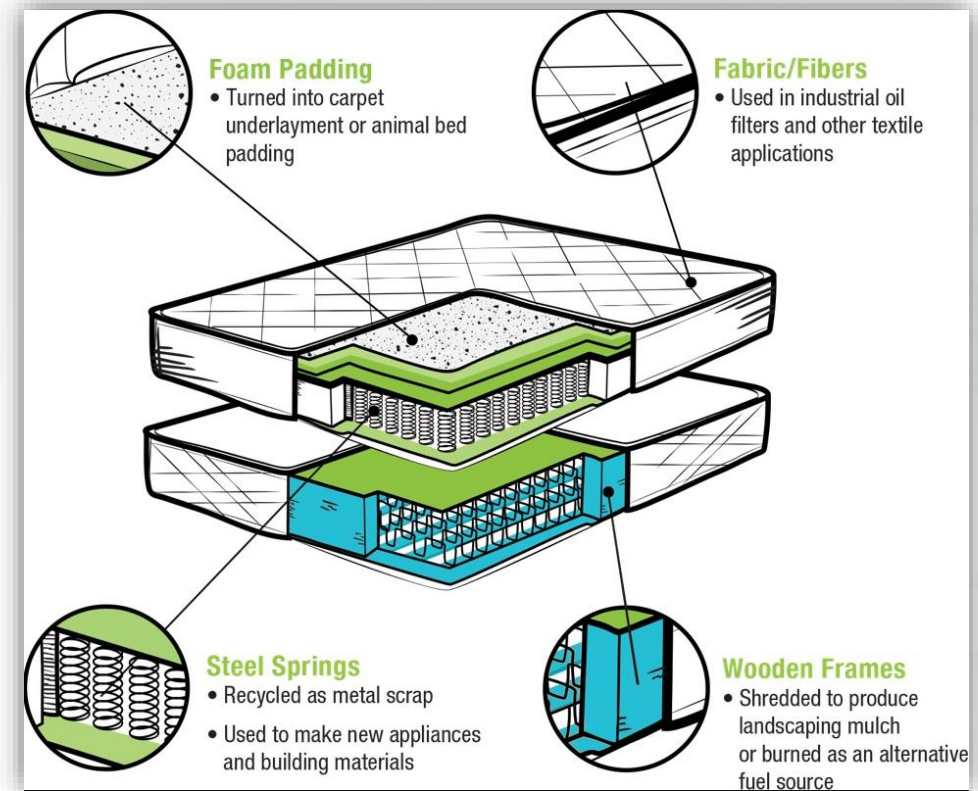
MassDEP Disposal Ban on Mattresses

Applies to mattresses and box springs. Excludes mattress pads, toppers, pillows, sofa beds and futons.

Must be dry and free of mold, bodily fluids, insects, oil, or hazardous substances.

Mattress Recycling

At processing facilities, mattresses are inspected and treated for bed bugs. Deconstructed through manual and mechanical processes. Materials are separated and sent for recycling or repurposing.



Technical Tips for Starting a Mattress Recycling Program

Keep them dry and as clean as possible

Drop off: call ahead to confirm

Pick up: minimum quantity likely. Live-load from garage or storage container, or storage trailer swap

On site dismantling may be available if too dirty for pickup.

Some municipalities using mattress bags: \$10 giant bag to keep dry before it goes out on curb

Ecos Properties

Worked with LRP to recycle mattresses

Donated motel items to local shelter

Massachusetts Housing & Shelter Alliance

QUESTIONS?

info@recyclingworksma.com

888-254-5525

www.recyclingworksma.com





Who is Worleybeds and what do we do?

Why is recycling important?

How does our program work?

Our partnership with Hand Up