



INSPIRATION AND PRACTICE: TAKING BUILDINGS APART

**MASSDEP DECONSTRUCTION
WORKING GROUP**

DECEMBER 14, 2022



HOUSEKEEPING

This meeting is being recorded

Using zoom/chat

Ground rules

PARTICIPANT POLL

**Who is on the call
today?**

RECAP FROM LAST MEETING

2030 Solid Waste Master Plan

Reduce & Reuse Working Group

Reduce & Reuse Action Plan

December 2021

**Deconstruction Working
Group**

September 2022 Kick-Off

GOALS FOR THIS DECONSTRUCTION WORKGROUP

- ❑ Understand waste disposal crisis
- ❑ Grow the Reuse Industry in MA for building materials
- ❑ Align with MassDEP's R&R Action Plan
- ❑ Connect our work with Climate Impacts
- ❑ Job Training and Workforce Development
- ❑ Support Diversity, Equity, and Inclusion



Basic Operating Principles:

Working for the greater good, collaboration, equal opportunity for all stakeholders

MEET THE PLANNING TEAM



Christine Beling:
US EPA Region 1



Susan Cascino:
City of Boston



Mike Elliott:
MassDEP C&D Lead



Dave Giese:
Deconstruction Works



Pam Howland:
Old Window Workshop Cooperative



Abbey Massaro:
Center for Ecotechnology



Kathi Mirza:
MassDEP



Brooke Nash:
MassDEP



Michael Orbank: STO Building Group,
Carbon Leadership Forum Boston



SEPTEMBER 2022 KICK-OFF MEETING: A FEW HIGHLIGHTS

- 30% of ALL discarded materials in MA are from C&D activities. We dispose of ~1.6M tons of C&D annually- goal is to reduce by 260K tons by 2030.
- **Embodied Carbon** in the built environment comes from emissions from extraction, manufacturing, transportation, installation, maintenance, and disposal of materials.
- As buildings become more energy efficient, an **estimated 49% of GHG emissions from buildings built between 2020-2050 will be from embodied carbon** as operational emissions fall.
- Mandatory deconstruction ordinances, executive orders, incentives, plans, and advisory groups are popping up all over the US and Canada.
- What is needed to enable more reuse in this sector: understanding benefits, technologies, training opportunities, partnerships and assistance.



TODAY'S AGENDA

Guest Speakers

- **Dave Bennink**, Reuse Innovation Center and Building Deconstruction Institute
- **Erich Kruger and Dave Giese**, Deconstruction Works

Topics

- National trends
- Costs for deconstruction vs. demolition
- Scheduling impacts
- Ideal structures for deconstruction
- Selling materials



Photo courtesy of Deconstruction Works website



QUESTIONS

Bipartisan Infrastructure Law: Funding Opportunity Open NOW

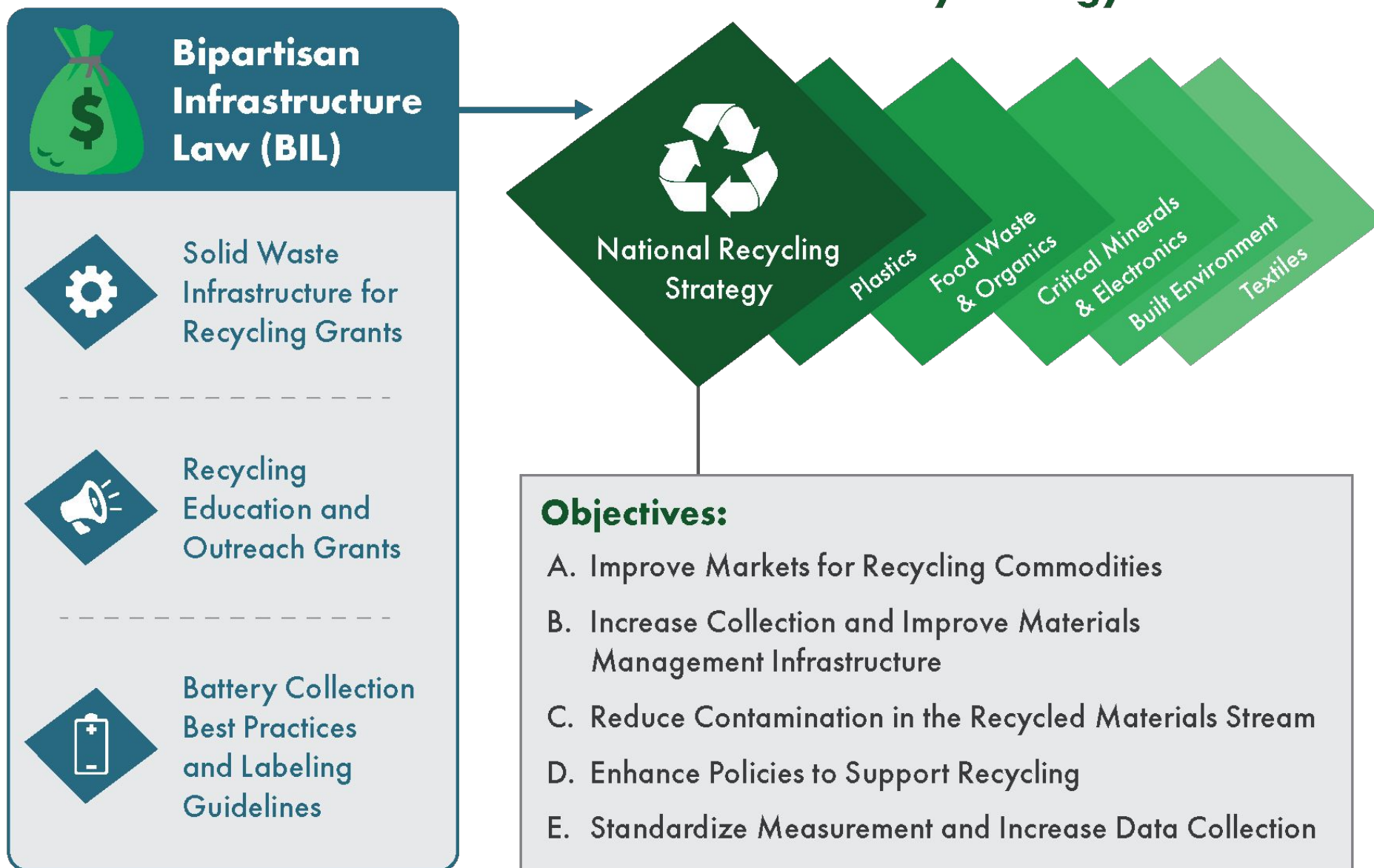


- Solid Waste Infrastructure for Recycling Grants for States and Territories
- Solid Waste Infrastructure for Recycling Grants for Political Subdivisions
- Recycling Education and Outreach Grant Program

Sign up to Stay Connected to learn more about grants, future strategies and reports
<https://www.epa.gov/recyclingstrategy/forms/stay-connected>



Circular Economy Strategy Series



EPA is establishing a 10-year vision that embraces circularity, sustainable materials management, addresses climate change, and environmental justice.





Solid Waste Infrastructure for Recycling Grant Program

What infrastructure activities are eligible for funding?

- The SOS 2.0 Act and the Bipartisan Infrastructure Law broadly define projects that are eligible for recycling infrastructure funding.
- The EPA Administrator may provide grants to:
 - Implement the strategy developed under section 301(a)
 - Support improvements to local post-consumer materials management, including municipal recycling programs; and
 - Assist local waste management authorities in making improvements to local waste management systems.





Recycling Education and Outreach Grant Program and Model Recycling Program Toolkit

What outreach and education activities are eligible for funding?

- Public service announcements
- Door-to-Door education and outreach campaigns
- Social media and digital outreach
- Advertising campaigns
- Toolkits for municipal and/or commercial recycling programs
- Labeling/Signs
- Information on the benefits of recycling
- Business recycling outreach
- What happens after the recycling bin
- Information on the importance of quality in the recycling stream
- Other activities determined appropriate to carry out to meet the goals of the grant program



What is the Model Recycling Program Toolkit?

- A standardized set of terms and examples to describe materials that are accepted by a residential recycling program
- Information that can be widely applied across residential recycling programs
- Best practices for the collection and processing of recycled materials
- A community self-assessment guide to identify gaps in existing recycling program
- Training modules that enable States and nonprofit organizations to provide technical assistance to units of local government
- Access to consumer educational materials that states, tribes, and units of local government can adapt and use in recycling programs



<https://www.epa.gov/recyclingstrategy/model-recycling-program-toolkit>



JANUARY 16, 2023 DEADLINE !!!!

- Sign up to *Stay Connected* to learn more about grants, future strategies and reports: <https://www.epa.gov/recyclingstrategy/forms/stay-connected>
- Training for Grant Applicants:
<https://www.epa.gov/grants/recipient-training-opportunities>
- Request for Applications:
<https://www.epa.gov/rcra/bipartisan-infrastructure-law-transforming-us-recycling-and-waste-management#new>
- Questions? Email: RecyclingEd@epa.gov (Recycling Education and Outreach); or SWIFR@epa.gov (Solid Waste Infrastructure and Recycling)



THANK YOU!



MASSDEP MICROGRANT

WEBSITE:

[HTTPS://WWW.MASS.GOV/HOW-TO/APPLY-FOR-A-MASSDEP-REDUCE-REUSE-REPAIR-MICRO-GRANT](https://www.mass.gov/how-to/apply-for-a-massdep-reduce-reuse-repair-micro-grant)

CONTACT: JANICE.PARE@MASS.GOV

- ❑ **Up to \$5,000** to for-profit and non-profit organizations, regional authorities, and eligible municipalities for short-term waste reduction projects.
- ❑ **Projects need to specifically promote** source reduction, **reuse**, or repair in Massachusetts. Recycling and composting initiatives are not eligible.
- ❑ MassDEP accepts applications on rolling basis, evaluates quarterly until all available funds are obligated.
- ❑ Grant funds will be distributed in one lump sum upon conclusion of your project.

POLL RESPONSES FOR FUTURE MEETING TOPICS

(TOP 3 CHOICES)

- Reuse Markets for Building Materials
- Deconstruction Ordinances, Success Stories, and Lessons Learned
- Design for Reuse, LEED points, and Manufacturer Take Back Programs

NEXT MEETING: MARCH 2023

TOPIC: REUSE MARKETS

- We are looking for speakers
- Please add your feedback and ideas to the Chat Box

THANK YOU FOR JOINING US!

DECONSTRUCTION & BUILDING MATERIALS REUSE

Increase Material Supply

Create Jobs

Reduce Waste

Lower Costs

Save Energy

Preserve Value

Conserve Resources

Let's Do This...Together!

MASSDEP CONTACTS

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Reduce and Reuse Working Group

<https://www.mass.gov/service-details/massdep-reduce-reuse-rr-working-group>