



www.nrrarecycles.org



North Country C&D Diversion 2.0



NORTHEAST RESOURCE RECOVERY ASSOCIATION

Introduction

Today's presentation was
made possible by an
EPA Healthy Communities Grant

This project has been funded wholly or in part by the United States Environmental Protection Agency under assistance agreement 00A01372 to Northeast Resource Recovery Association. The contents of this document do not necessarily reflect the views and policies of the EPA.



What We're Talking About Today

01.

Introductions

02.

C&D Diversion:
Year Two!

03.

Construction &
Demolition: A Recap

04.

Bulky Waste
Reuse & Diversion

05.

C&D Recycling
Infrastructure Needs

06.

Looking Ahead

Increasing C&D Diversion (last year)

- Learned the **basics of C&D**
- Explored common issues including **transportation, densification, and true costs**
- C&D diversion pilot & audit
- **Technical assistance** site visits
- Identified opportunities for C&D management improvement

North Country C&D Diversion (this year!)

- **Welcome** 10 new communities!
- Address **Bulky Waste**
- Look at the **feasibility** of ABC recycling and C&D backhauls
- Explore the idea of **deconstruction**
- **Technical assistance** including Full Cost Accounting for 6 towns, C&D management partnerships, and a reuse pilot program

Biggest Takeaways from Last Year





We need long term and large-scale solutions



If we are going to meet the state waste diversion goal, C&D will play a large part

Construction & Demolition Debris (C&D): A Recap



What is C&D?

- Waste building materials & rubble resulting from the construction, remodeling, repair, or demolition of structures or roads.
- Includes but not limited to bricks, concrete, wood, plaster, drywall, plumbing, roofing, insulation, shingles, pavement, etc.



What is Bulky Waste?

- Large items that cannot be handled by normal solid waste processing, collection, or disposal methods.
- Includes but not limited to furniture, mattresses, appliances, and tires.



Why should we care?



- No local recycling options
- Can range from **20% to 30%** of total weight intake at a transfer station
- Health and environmental hazards like asbestos and lead
- Takes up a lot of space in landfills

Mt. Carberry Landfill



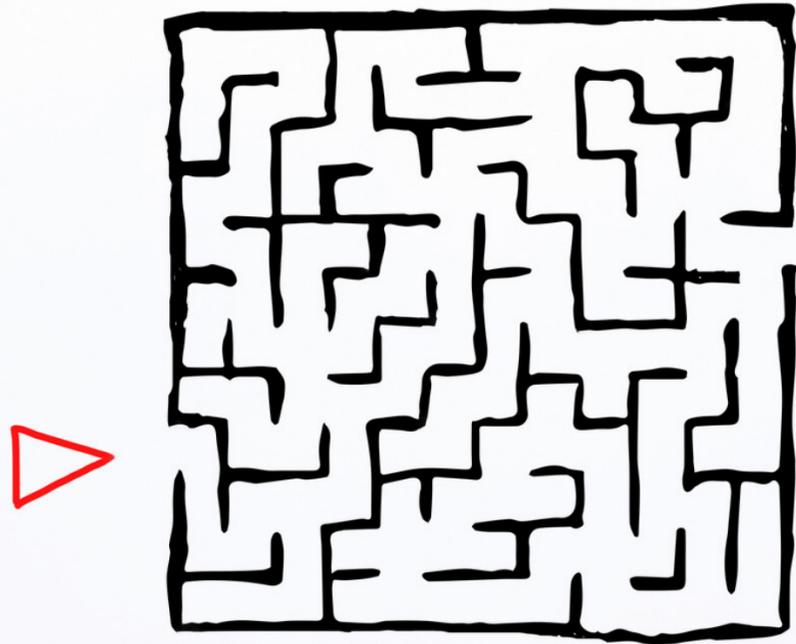
Landfilled over **146 MILLION**
Pounds of C&D/Bulky

NCES Landfill



Landfilled over **185 MILLION**
Pounds of C&D & Bulky

North Country Challenges



- **No local C&D recycling facilities**
- **Towns combine C&D and bulky waste**
- **Most facilities lack a truck scale**
- **Many facilities are run on a small plot**
- **Facilities receive C&D from contractors who may not be local to the area**
- **Tipping and transportation fees can be expensive**

Asbestos Challenges

- 85 state certified inspectors
 - Only 1 in North Country (Colebrook)
- 81 state licensed abatement contractors
 - Only 1 in North Country (Littleton)
- Single Family Home Exemption
 - Can do their own abatement
 - Cannot sell or rent house for 6 mo.
 - Additional requirements



Lead Based Paint Waste

- Small residential jobs = Household Waste
- Demo of a residential structure = Hazardous Waste
- Non-res. public or commercial building = Hazardous Waste

General Rule for Operators:
If the generator **CANNOT** rule
it out, **REQUIRE** them to test it



Ordinance & Permit Challenges



- Do you require people to show reports?
- Do you accept commercial C&D?
- What does your town building permit say?

Bulky Waste & Infrastructure Needs



Bulky Waste Reuse & Diversion Options



- Thrift Stores
- Reuse Stores
- Social Media Marketplaces
- Churches
- Other options?

Infrastructure Needs



- C&D Recycling Facility
- Mattress Recycling
- Consolidation or Transfer Facility
- Reuse Store

What we need from the State?



Possible needs:

- Legislature changes
- Bans
- NH DES rule changes

Looking Ahead



Summit #2 – March 27

- Deconstruction Discussion
- Feasibility Studies
 - ✓ Asphalt, Brick, & Concrete
 - ✓ C&D Recycling Backhaul
- Before you toss it...
 - ✓ Handout for reuse options you can give to residents



ABC Feasibility Study

- Local Sources
- North Country Options
- Consolidation Points
- Final Uses



C&D Backhaul Study



- Possible solution for towns that create large quantities
- Consolidation Point for smaller communities
- Wood, ABC, and shingles are the most common items

Technical Assistance

- **C&D and Bulky Waste Reuse Pilot Program**
 - Full Cost Accounting
 - Help implementing program
- **C&D Management Partnership**
 - Between two towns
 - Help with Permit changes



Summit #3 - TBD

- Bringing it all together
- Results from our Full Cost Accounting, Technical Assistance, Pilot Program, and C&D Partnerships
- Lessons Learned





Thanks, Questions,
& Discussion