# Deconstruction: (A) Developing Industry and Community in Connecticut



#### What is Deconstruction?

EPA defines "deconstruction" as the disassembly of buildings to safely and efficiently maximize the reuse and recycling of their materials. The process of dismantling structures is an ancient activity that has been revived by the growing field of sustainable, green building.

Deconstruction is commonly separated into two categories; "non-structural" and "structural".

- •Non-structural deconstruction, also known as "softstripping", "hand demo" or "cherry picking", consists of reclaiming non-structural components including appliances, doors, windows, and finish or trim materials.
- •Structural deconstruction involves dismantling the structural components of a building; removing the entire building down to or including the foundation.

## Easy and Wasteful Approach to Removing a Building



### What's Wrong with this picture?



### 1929, 14M Teardown



- If building deconstruction were fully integrated into the demolition industry, at least 100,000 jobs could be created in this sector.
- (<u>Deconstruction-</u><u>Overview-</u><u>Baldwin.pdf</u>)

#### Jobs



#### A huge amount of materials

■ In 2013, CT generated about 1,041,643 Tons of C&D debris Deconstruction-Overview-Baldwin.pdf



#### Opportunities & Limitations

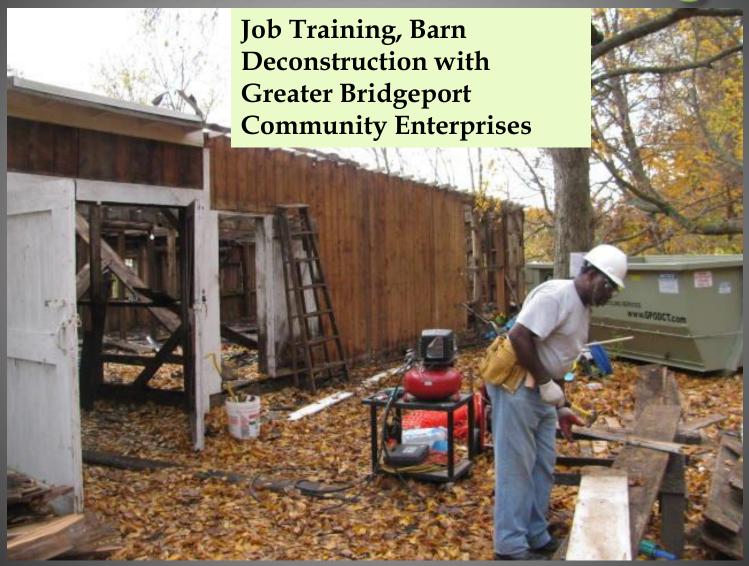




#### Deconstruction

**# Source Reduction #Create Jobs #Local Quality Materials #Community Partnerships #Training & Education #Eliminate Waste** 

#### Deconstruction Training



#### Deconstruction Training



Kroop said, "It's a great opportunity to do something good for the environment and keep people employed." Without deconstruction, the building materials from the homes would end up in the landfill. <a href="http://www.newhallinfo.org/html-cleanup/deconstruction.html">http://www.newhallinfo.org/html-cleanup/deconstruction.html</a>

Hamden HEDC, CTDEP, Department of Labor, Gateway Community College, Urbanminers, Llc

Assignment: Salvage 10 multi-family houses in 10 days. We need a better system.







# Deconstruction enables other salvage



#### Moving Ahead

- Deconstruction as an alternative to demolition
- Combine with training and community involvement
- Sustainable business practices for all aspects
  - Keep it local
- Economic, Environmental & Social success!