



The BMRA works to create a vibrant reused building materials economy as part of a world without waste.

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What's it all about...?



So what does the reuse economy look like?

- Deconstruction
- Retail outlets
- Wholesale outlets
- Upcycling
- Remanufacturing

What is Deconstruction?



“The systematic dismantling of a structure in order to preserve the building materials for reuse”.

Retail Outlets

thousands
nationwide
and growing fast

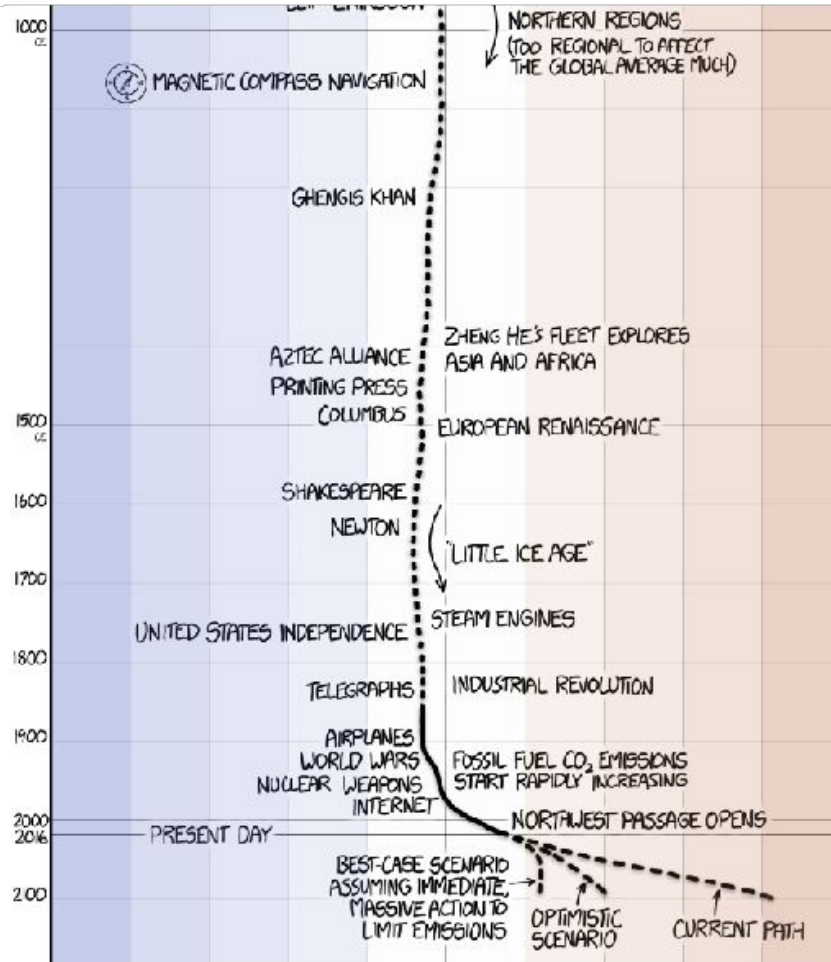


Upcycle industry

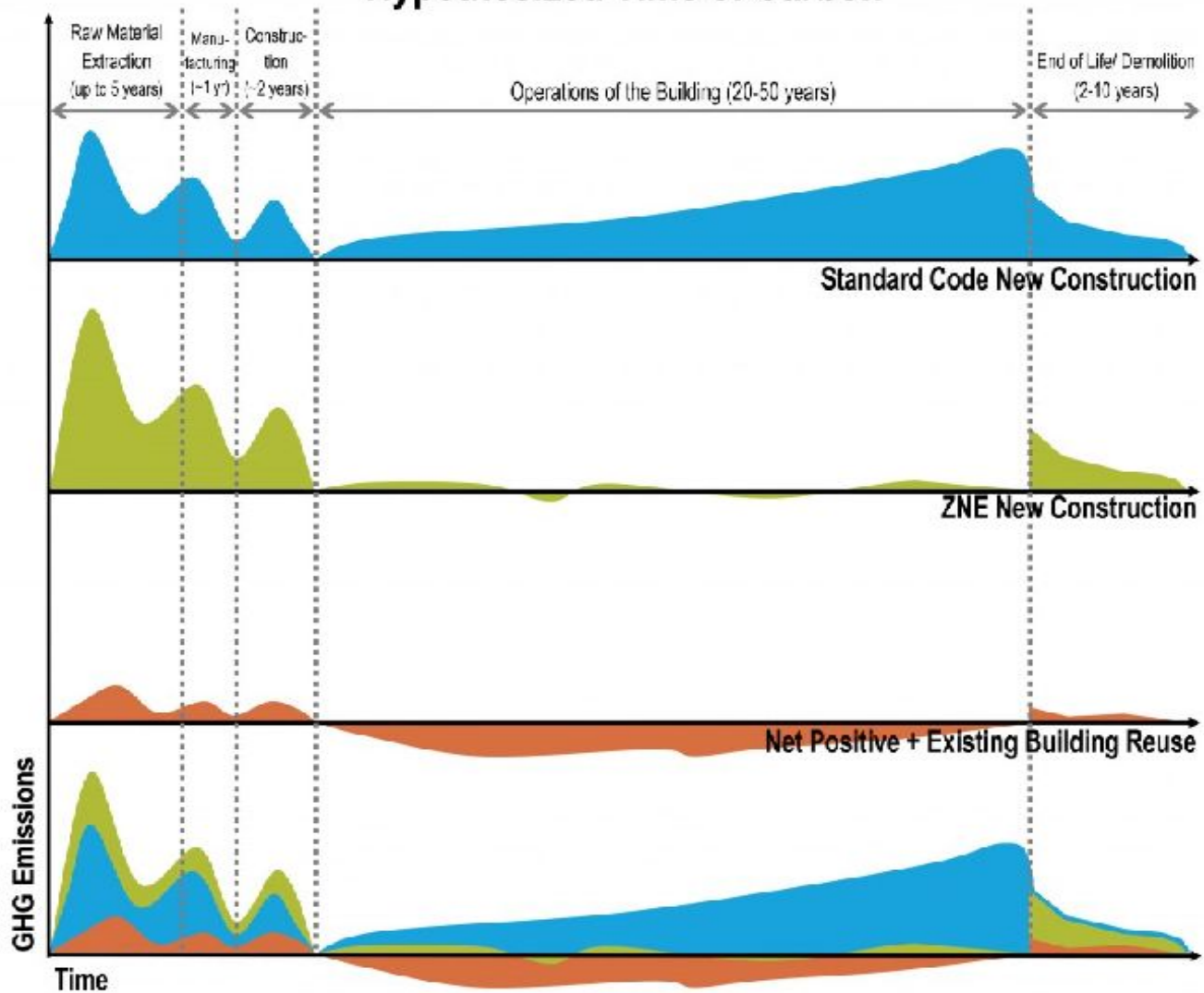


Four primary motivations:

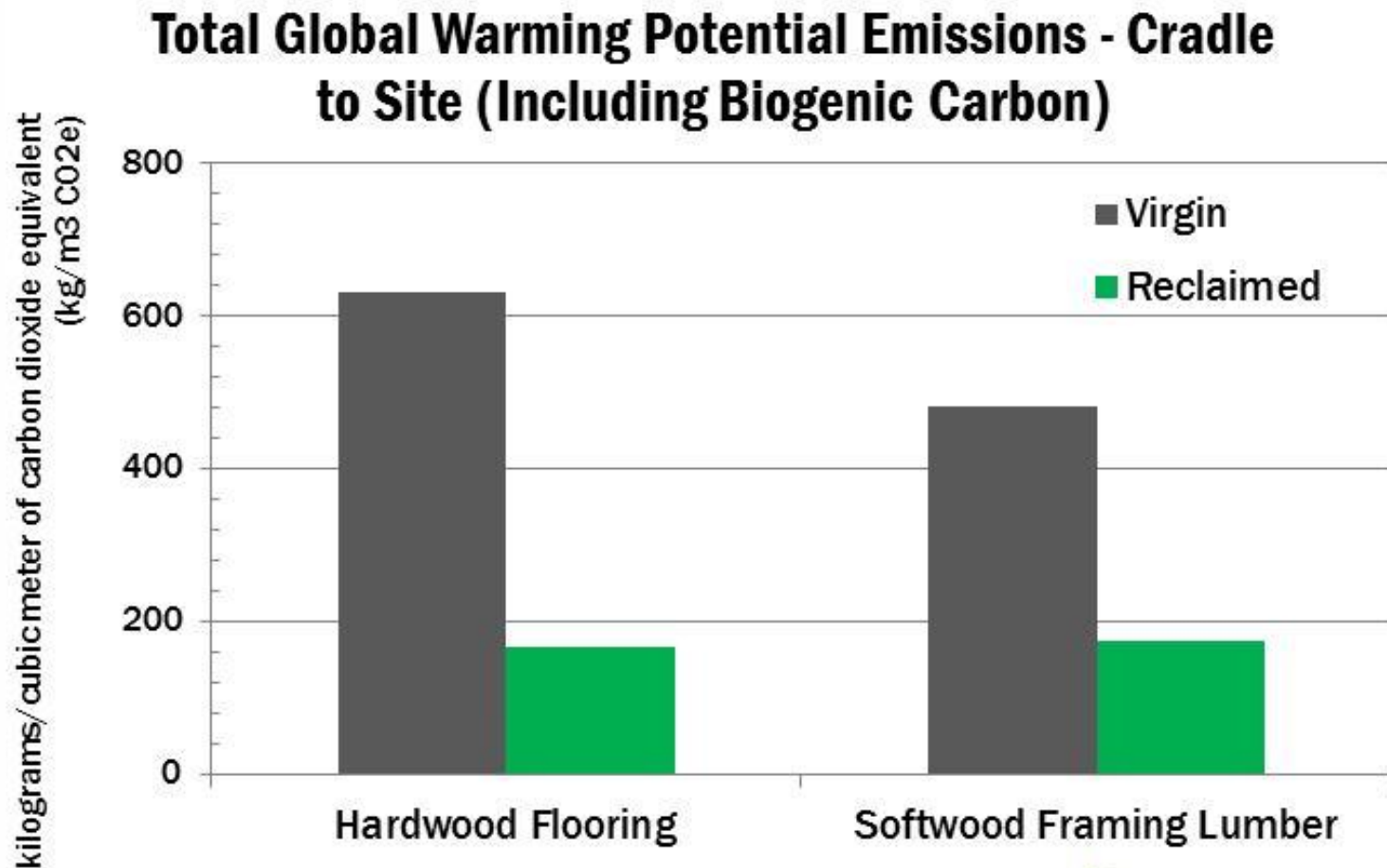
- Planet
- People
- Policy Requirement
- Economic Impact



Hypothesized Time of Carbon



Environmental Impact of Sourcing Reused Materials



Source: *Life Cycle Energy and Carbon Emissions for New and Recovered Softwood Framing Lumber and Hardwood Flooring*
Bergman, et al

Impact of Reuse - Jobs

The reuse and recycling industry produces upwards of 7 jobs per 1000 lbs of MSW, as compared to less than 1 job per 1,000 lbs of waste landfilled.

- “More Jobs, Less Pollution: Growing the Recycling Economy in the U.S.” Prepared by the Tellus Institute November, 2011

Earth Advantage Summary

“The Deconstruction Workforce Training program concluded on March 31 and successfully generated a pool of 14 qualified candidates that are prepared to start a career in deconstruction and eligible to meet the hiring needs of deconstruction contractors to support the new City of Portland requirements.”



Policy Examples

- Language/law/ordinance that explicitly
 - Requires reuse and deconstruction (e.g. 5% reuse requirement, *Cook County*)
 - Restricts the use of demolition, or the landfilling of materials (e.g. Ban on C&D waste in landfills, *Massachusetts*)
 - Requires reuse and deconstruction (*Portland, OR... Gary, IN ...*)

Direct Economic Impact

Each year more than 17 million tons of recoverable C&D wood materials are landfilled at a cost of more than \$500 million.

“Municipal Solid Waste(MSW) and Construction and Demolition(C&D) Wood Waste Generation and Recovery in the United States” Dovetail Partners

What up Nationally with Decon

Portland and BMRA are talking with:

- Milwaukee
- Denver
- Pittsburg
- Philadelphia
- Austin
- Vancouver B.C.
- Seattle
- Washington DC.

What we are seeing...

- Infill and gentrification leading to the demo of old homes, ie. Portland, SF
- Urban blight and abandoned neighborhoods. Milwaukee, DC...
- Barns and old factories.
- New construction continuing with outdated practices.

What's exciting

- Cities, counties and states passing laws and code to limit the waste of reusable materials.
- Salvaged materials sought after for commercial reuse.
- Growing DIY market for used building materials.
- Architects and designers paying attention to reuse
- Agencies seeing the potential in the reuse industry for jobs and workforce development.

On the horizon

- Research on the potential for used dimensional lumber in the mainstream market
- Increase in government agencies interested in code and policy changes.
- Increased awareness of the difference between recycle and reuse.
- More research being done on Embodied carbon, full life cycle analysis of buildings, and designing for Zero waste.

Industry challenges

- The reuse industry lacks serious investment
- The industry tends to be scattered group of hands on folks that lack an organized sharing of resources, knowledge, and passion to drive our market.
- Our industry is build on word of mouth to grow our businesses.

What's the BMRA up to?

- 2018 Conference in Grand Rapids
- Expanded trainings
- Operations business consulting
- Expanding the network within our industry
- Advocating for change locally and nationally.

How the BMRA can help you

We are the only third party deconstruction certification program in the nation.

- Train and certify local demolition contractors in proper deconstruction practices
- Train local workforce employment forces.
- Connect you to other agencies that have created legislation for deconstruction.
- Provide sources of data and network connections within our industry

Our industry needs your help!

The BMRA is a small, national organization dedicated to “*creating a vibrant reuse building materials economy*”.

To do this we need to grow.

To do that we need:

- more members
- increased engagement
- funding
- opportunities to train new folks

Please join us in building this essential economic sector!

Questions?

Additional resources are available at www.bmra.org

or

Joe Connell joe@bmra.org

773-340-BMRA (2672)

