And the state of deconstruction & building materials reuse

Presentation to NCRA 2018

Nicole Tai
ntai@greenlynx.net
Reuse store in Santa Rosa
opened August 2017

Appliances
Cabinets
Doors
Light Fixtures
Plumbing Fixtures
Lumber
Windows
&
Eco-Friendly supplies
GREENLYNX DIVISIONS

Reuse Store
3220 Santa Rosa Ave
Santa Rosa, CA 95407
707-787-LYNX

Deconstruction
Houses
Commercial wood structures
Remodels

Woodworks
3260 Santa Rosa Ave
Santa Rosa, CA 95407
Showroom open late April
Reuse Store
Deconstruction
State of Reuse - Nor Cal

Building Materials Reuse is at a critical point in its history.

- 65% of the materials being diverted from job sites is actually questionable - transfer station totals - not job site diversion
- Co-generation plant slow downs due to lost PGE contracts - leaving transfer stations with little option than to compost or landfill their woodchips
- Cost of new lumber increase could lead to potential for reclaimed lumber to enter mainstream market
- Reuse of lumber could be a solution to transfer station wood recovery needs
- Different set of rules for waste recovery in terms of % and reuse language - city & county
Innovation - City of Portland, OR

2016 Deconstruction Ordinance was passed by Council

- Deconstruction Advisory Group formed to develop program
- Requires all buildings prior to 1916 to be deconstructed
- Deconstruction training program collaboration between City and BMRA
  - Contractor training & certification
  - Workforce training
- 14 certified contractors - 2 new companies in response to the ordinance
- 37 deconstruction projects in the first year of the ordinance
Our National Association

"working to create a vibrant building material economy nationwide"

- Membership with the BMRA - over 200+ members nationally and growing
- reusewood.org site - listing hundreds of building material reuse businesses nationwide.
- Decon 18 in Grand Rapids - call for presenters - OUT NOW!
- Reuse Retail Consulting - because we all need a little extra help sometimes
- a huge catalog of former presentations and data on website soon
- networking with industry colleagues around the US and Canada
- Coming soon; Building Material Reuse Webinars
Opportunities for growth in Bay Area

1. Deconstruction Meeting at EPA - State & Bay Area governments, decon companies, and reuse companies to consolidate ideas and determine collective courses of action.

2. Seeking transfer station partners to do pilot run of volume based wood reuse.


4. California Building Code amendment to provide for reuse of reclaimed lumber in structural applications.
How we spend our $$ matters

Bay Area Cities and Citizens spend $ billions a year on Recycling:

- Grants from Cities, County & State
- Contracts - government
- Fees - Citizens
- Loans - government, banks
- Infrastructure
- More Reports

Reuse Funding:

- Grants for non-profits
- Non-profits scrimp, save and work hard
- Small businesses investing their own funds

QUICK TIP

Buy Reuseables - then we can spend more money on reuse infrastructure!
Best Practices

Deconstruction can be best utilized to preserve old growth wood that we will never see again, to save reusable materials for those less fortunate, or seeking a deal or non-consumer lifestyle, and to save modern fir in large volumes to use in manufacturing homes.

01 | Save furniture grade lumber
02 | Save modern fir for home manufacturing
03 | Reclaim materials that are durable and historic
04 | Design and install for reuse
The 2018 reclaimed framing wood projection

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<td>Number of 2x4's available in 2017 if 1% of housing stock from each year is removed</td>
<td>Number of BF available in 2017 if 1% of housing stock from each year is removed</td>
<td>Equivalent Number of housing units removed in 2017</td>
<td>Sales value assuming a price of $300 per thousand BF (<a href="http://naturalresourcereport.com/2017/04/lumber-logs-home-prices-all-rise/">http://naturalresourcereport.com/2017/04/lumber-logs-home-prices-all-rise/</a>)</td>
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Source: Anne Nicklin BMRA “Sourcing Reclaimed Studs”
Why

Source: BMRA “Archives”
Nicole Tai
CEO
ntai@greenlynx.net
707-787-5989 - Store
415-890-5880 - Decon
www.greenlynx.net