

Agenda – May 22, 2024

Attendance: Emily Freeman (City of Boulder), Ryan Call (Eco-Cycle), James Gaspard (BioChar Now), Ally (Recycle CO) Liz Chapman (Recycle CO), Garian Cika (City of Eugene), Anne Marie Wilson (DU student, C&D focus), Cameron Garcia (Pitkin County), Nick Miranda (DEN), Meghan Weibe (Boulder County), Katie Bond (CSU grad student, C&D focus), Kelsie DeFrancia (City & County of Denver), Kathryn Johanson (City of Lakewood), Em J, Anna Perks (Perks Deconstruction), Scott.

Agenda

1. Topic 1: Introductions + Ice Breaker

- a. *What is your favorite thing about summer / do you have any plans for the summer you'd like to share?*

2. Topic 2: Summit for Recycling Conference - June 3, 4, and 5 2:45pm - 2:50pm

- Register at [Recycle Colorado's website](#)
- The room block at the Hilton is almost filled, act fast!
- See the full agenda, policy retreat, tours, and networking details at [Recycle Colorado's website](#)
- Reminder about our two C&D sessions
 - i. Tues, 6/4, 1:00-2:00. Legends Breakout Room. **Buildings Born Again: Bringing a Second Life to Building Material**
James Gaspard, Ashley Yanda, Lindsay Law, Will Lepry, and Emily Freeman. *Learn how our speakers are laying pathways for recycling, preparing, and reimagining what is possible with lumber salvaged from building construction sites. Capturing valuable non-renewable resources is paramount to driving sustainability in the Construction & Demolition (C&D)/deconstruction industry.*
 - ii. Weds, 6/5. Legends Breakout Room. **Building a Sustainable Workforce: Training Initiatives in Construction and Deconstruction**
Jessmine Anderson, Shannon Goodman, Robb Sommerfeld, and Anna Perks. *Learn from industry leaders about workforce training needs, addressing challenges, and collaborative efforts in construction and demolition. Explore how deconstruction offers entry-level opportunities and helps divert C&D waste from landfills. Join us for what promises to be an engaging and informative session.*

3. C&D News

- a. Minnesota: Micro-business Lumber Stash for local wood reuse. Demonstrates hyper-local end-market development.
 - b. RC members presented with the Colorado Economic Development Center (CEDC) on waste reduction strategies. New audiences were there, including reps from AIA and USGBC. Laurie Johnson announced exciting developments on asphalt shingle recycling.
 - i. Shout out to Katie Bond for her presentation on her research.
 - Upcoming presentations
 - Emily Freeman to present on USGBC on deconstruction.
 - LEED v5 - C&D requirements: public comment period
- 4. Guest Speaker - Garian Cika, City of Eugene - International Code Council (ICC) Building Code Lumber Reuse**
- a. Background: Demonstrating that lumber can be REUSED in our built environment.
 - b. Salvaged construction materials have a story to tell! Examples of materials recovered in Philadelphia.
 - c. Pie chart of materials: 44% of C&D materials in Oregon are different types of wood.
 - d. Three steps to do better:
 - i. Align with decarbonization goals set.
 - ii. Incorporate salvaged lumber.
 - iii. Support safe reuse of salvaged lumber to support circular economy principles.
 - e. The actual code text is copied below. The code is broken out into structural and non-structural applications.
 - i. Garian is asking for our organizational support of this proposed code. There's no financial commitment and little time commitment. If any organization wants to join, reach out to Garian directly at gcika@eugene-or.gov
 - ii. Garian is hoping to get more letters of support from organizations. Letters are due in December 1, 2024.
 - f. Discussion
 - i. Cameron with Pitkin County just had someone reach out about this topic. Garian will send a one-pager and an ICC roadmap with more details.
 - ii. Emily: There are misconceptions about using salvaged lumber in construction. This effort will build confidence in using salvaged lumber.
 - iii. Ryan: Could Recycle Colorado write a letter of support?

1. Liz: The C&D Council would have to write a letter, and the RC Board members would vote. A C&D Council member could present to the board.
 2. Anna Perks volunteered to write a draft letter.
- iv. Anna: Asking to explain something about Douglas Fir #2, which is most of the recovered lumber. A lot of engineers don't want the liability. CO communities have different versions of building codes.
 1. (Note: Ryan wasn't able to capture the details of this discussion)
 - v. Emily: Lumber reuse would be a big win for rural communities, too.
 1. Liz will contact RC's lobbyist, Eliza. This policy could be a political winner. It would essentially update CO's building code to reflect Garian's proposed lumber update.
 2. 2019 C&D waste composition study for data on waste lumber.
 - a. Anna: 200k tons of wood waste according to Emily Kaps' 'presentation from CDPHE from 2019. 2 million tons, according to this report
<https://www.dropbox.com/sh/fzgw6rodbj4l6w2/AACeCSCBpWCDUqyrk68GhCRla?e=1&preview=4.+RECO+Deco+construction+Workshop+8.29.19.pptx&st=589h82jv&dl=0>
 - b. Liz: Here is the report from Recycle Colorado on C&D and the section on wood markets starts on pg.34
[construction and demolition end market development report 2019 \(recyclecolorado.org\)](https://recyclecolorado.org/construction-and-demolition-end-market-development-report-2019)
 - vi. Meghan Weibe
 1. "<https://osa.colorado.gov/> Not sure if this the right spot but here's the state's architect page. It says: "The constitution of the State of Colorado designates Colorado as a home rule state. As such, the Office of the State Architect is only responsible for state owned land and buildings. Each city or county within the state adopts and interprets their own building regulations for private and municipal projects.""

5. Colorado C&D Policy Webinar

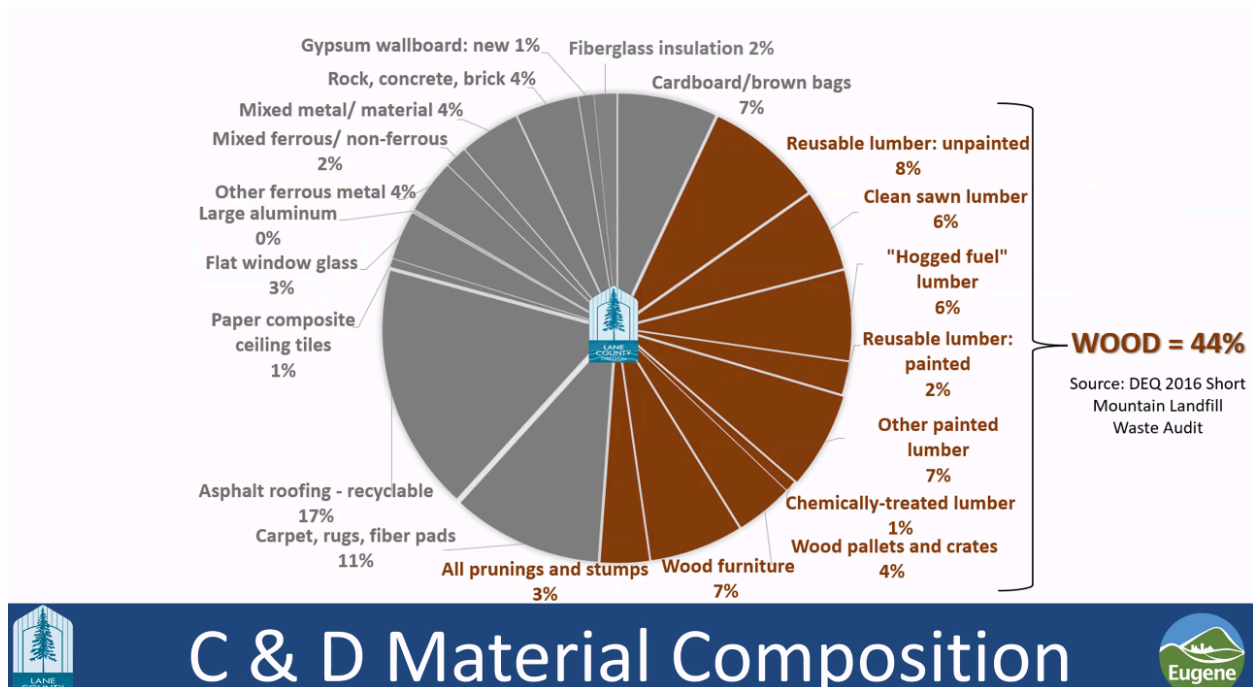
- The recorded webinar will happen on November 7, 2024.
- Introduce the webinar and idea around it as the roadshow. Planning on pulling together an invite in August.
- Input and others to invite. Share out.

6. C&D Material Profiles

- Meghan Wiebe’s effort & discussion
 - Created a list of C&D materials which high-level descriptions and “deconstruction scores,” which calculate the recoverability and end markets. The deconstruction score is flexible.
 - Wants to make this a tool for policymakers and folks that are interested in this space. This could be also be turned into a one-pager
 - Material categories, scoring, Stoplight (red, yellow, green)
 - One graphic for the entire state or separate for Front Range, Mountains, Western Slope, Eastern Plains
 - Input + comments by June 30, 2024
 - Is this useful for folks? Are these the right material categories?
 - Colors are more digestible than numbered scores.
 - It would be useful to identify gaps in end markets.
 - Anna cited the Introduction to Deconstruction handbook to help with this tool.
 - [Introduction to Deconstruction - Textbook \(Oregon State Edition\)](#)
 - Meghan and Katie will follow up.

Topic 7: Members Update

- Open floor to share updates & your work
- Next meeting: Aug 21, 2024 from 2:30 to 4:00.



C & D Material Composition



R331 Salvage Lumber. Used or salvaged dimension lumber shall be permitted to be used in accordance with the following:

1. Used or salvaged dimension lumber shall be free of areas of decay, insect damage, and free of locations where net section has been reduced unless net section reduction(s) are compliant with R301.1.3 Engineered design. Used or salvaged lumber shall not be sourced from Hazardous (H) occupancy structures.

R331.1 Structural applications. Where used or salvaged dimension lumber is identified by a grade mark or where a certificate of inspection is provided from a lumber grading or inspection agency approved by an accreditation body that complies with DOC PS 20, structural properties for the used or salvaged lumber shall be as determined by the approved agency in accordance with the grade stamp or certificate provided. In lieu of the grade mark or certificate, compliance shall be determined per R301.1.3 Engineered design.

R331.2 Non-structural applications. In lieu of the grade mark or certificate described in R331.1, used or salvaged dimension lumber not bearing a grade stamp nor provided with a certificate shall be limited to non-structural applications and *nonbearing walls*.

Your Organization's Support Matters!

