



Resource Conservation Advisory Committee (RCAB)

Boulder County Staff Liaison: Noah Eisenman • neisenman@bouldercounty.org

Meeting Address: Boulder County Recycling Center • 1902 63rd Street, Boulder, CO 80306 • www.BoulderCounty.org

Boulder County Resource Conservation Advisory Board Meeting Minutes – June 22, 2022

Board Members Present:

Mark Persichetti – Louisville
Charles Kamenides – Longmont
Alyssa Vogan – Sustainability Analyst Town of Superior
Brandon Hill – Resource Central (Co-Chair)
Eric Loof – Western Disposal
Tim Towndrow – Republic Services
David Snapp – At Large (CDPHE) (Chair)
Mircalla Wozniak – At Large
Lauren Folkerts - City of Boulder
Suzanne Jones – Eco Cycle
Chandra Valenza (on behalf of Darla Arians) – Boulder County
Matt LeBeau – At Large
Elizabeth Szorad – City of Lafayette

Sara Loflin – Town of Erie
Vacant – Town of Ward
Vacant – CU Recycling
Bridget Johnson – Jamestown
Dan Matsch – Lyons
Meghan Wiebe – At-Large
Eryka Thorley – Town of Nederland

RCAB Staff Liaison:

Noah Eisenman – Boulder County/RCD
Deandra Croissant – Boulder County/ OSCAR

Guests:

Shawn Wood – Guest
Emily Freeman – Guest
Anna Perks – Guest
Kathy Carroll – Guest
Kayla Betzold – Guest

Board Members not Present:

Russ Callas – At Large

1. Call to Order / Introductions

David Snapp called the meeting to order at 4:52 p.m.

2. Approval of Minutes May 25, 2022

David Snapp asked if the May 25 minutes could be approved. Charlie Kamenides motioned to approve, seconded by Eric Loof, and followed by a unanimous RCAB approval.

3. Construction and Demolition Waste Presentations and Discussion

• A. Shawn Wood – City of Portland, OR

- Shawn began his presentation talking about the history of demolition in Portland, Oregon. This effort was spurred through neighborhood groups, who convened forums to discuss policy on demolition in Portland. They attended the forums and started talking about the benefits of deconstruction. Out of the grassroots effort, a Deconstruction Advisory Group formed in 2015 and presented to city council. This was a very pivotal moment, as the group received directives from elected officials to keep moving things forward and come back to them with recommendations. This advisory group

included various members such as: builders, developers, contractors, neighborhood groups, and a development committee. They come up with a multi-phased approach that involved incentives (deconstruction grants) and requirements that would grow over time.

- The deconstruction grants involved a voluntary incentive program, with \$3000 awarded per project. 25 grants were awarded. The grant program became a proving ground for items that later went into the deconstruction ordinance (i.e. forms, signs, receipts).
 - The ordinance kicked off in October of 2016 and required houses of a certain build age to be hand deconstructed. In short it required any house or duplex that was built in 1916 or earlier, or designated historical site regardless of age had to be hand disassembled using a certified deconstructor. This is 1/3 of houses in Portland. They have recorded a steady increase in demo permits and deconstructions since 2015.
 - 2018 was first full year of deconstruction requirements. By 2021 raised house age to 1940 and captured 2/3 of houses. 4 million pounds of lumbar have been recovered for reuse. 7.6 MTCO₂ reduction per house,
 - Shawn also went over the benefits and outcomes, explaining deconstruction is best practice and has several co-benefits such as reduced CO₂ footprint, more jobs (deconstruction, fabrication, retail), and additional opportunities to discover unabated hazmat. In addition, Shawn noted the cost of deconstruction has come down while mechanical demolition costs have increased.
 - In order to help increase demand for the materials they passed zoning code incentives for FSC recycled 100% (salvaged wood) and building code changes allowing structural use of ungraded salvage lumber (OR, WA).
 - Been working with their city procurement offices to get reclaimed furniture in their new offices.
 - After Shawn's presentation the RCAB group held a discussion and asked questions.
- **B. Emily Freeman – City of Boulder**
 - Emily Freeman presented on the City of Boulder's Construction and Demolition Ordinance.
 - They care about C&D because the U.S. generating more than 600 million tons of C&D, which is more than 2 times the amount of normal generated MSW that goes to the landfill. There is a large portion of C&D materials going to the landfill. And a lot of the projects are straight demolition.
 - Emily explained that while the City of Boulder is generating more material and good material, they are not actually seeing an increase in the amount of material being diverted.
 - Emily is currently implementing this ordinance, however she explained that Noah Eisenman helped create this during his previous position at the City of Boulder.

- Goals of the ordinance were to reduce C&D materials sent to landfill, enforcement (receive data from contractors), and transparency (data for citywide diversion).
 - Prior to this ordinance being passed the city required 65% diversion from the landfill. However, no receipts were required from the contractors.
 - C&D Ordinance overview: through the energy conservation code, covers C&D waste reuse and recycling requirements. The ordinance applies to all residential and commercial permits that are considered a full demolition, or a level 4 alteration, that is where 50% or more of the exterior walls are being removed from that building.
 - Requires 75% by weight removed from the landfill, including concrete and asphalt. You must create a Sustainable Deconstruction Plan prior to applying for a demo permit to be approved and issued. There are also deconstruction fees if you fail to comply.
 - In 2020 and 2021 partnered with RRS to conduct a nexus study. That is where they arrived at the \$219 per permit admin fee. Also did an analysis of what goes into the deconstruction deposit. The city outreach costs are 9 cents per square foot, the environmental costs are 74 cents per square foot, and the cost to comply is \$5 per square foot. This helped prove the environmental costs were being covered by the ordinance so they could justify that the dollar per square foot was an appropriate measure.
 - 77.6% diversion since ordinance implementation.
 - Best practices – know available resources (e.g. Resource Central, Western Disposal, Bud’s Warehouse, aggregate recyclers), be available for consultation, require weight tickets (when available), and do not close building permit until demolition data received.
 - RCAB held a discussion and asked questions.
- **C. Anna Perks – Perks Deconstruction**
 - Anna Perks the owner of Perk’s deconstruction provided a presentation on the company.
 - They provide construction and demolition services that allow homeowners and contractors to salvage, donate, and recycle as many materials as possible.
 - They offer full home and garage deconstruction, building deconstruction, and interior remodel deconstruction.
 - The company works in Denver, Boulder and Evergreen in the residential space. Mostly work with contractors that use them as their preferred deconstruction company. Have six projects scheduled over the summer, which means new one every two weeks + smaller remodeling projects.
 - Have received two grants to help fund the business (RREO and FWRD) to purchase equipment and build a warehouse.
 - Boulder County has a great resource list that provides details on who accepts furniture, brick, concrete, scrap metal, etc. Perk’s makes sure get as many materials picked up for recycling as possible. They provide

all waste and donation receipts contractors need to comply with local ordinance requirements.

- With every project, they aim to keep at least 75% of the structure out of landfill. That means donating and recycling as many items as possible including doors, windows, flooring, insulation, lumber trusses, plywood, vanities, fixtures, bricks, concrete and more.
- Anna also helps homeowners get appraisals and tax deductions from donations. This could be somewhere around 40-50k which can help offset the cost of using their services.
- After Anna's presentation the RCAB group held a discussion and asked questions.

4. Individual Board Ordinances Update

The above presentations ran longer than expected, so we will pick this up on the next agenda.

5. Community Updates

The above presentations took the entire time, so will pick this up on the next agenda.

6. Adjourn

David Snapp adjourned the meeting at 6:27 P.M.