

Davis County and Kaysville City ICLT Building at Utah Botanical Center

Kaysville, Utah

CURRENT SITUATION

In April of 2015, the Utah Biomass Resources Group, in partnership with the Utah Botanical Center, received a Wood Innovations Grant from the USDA Forest Service to design the nation's first public building made from Interlocking Cross Laminated Timber (ICLT). The proposed location is the Utah Botanical Center in Kaysville, Utah.

ICLT panels are a new approach to a renewable product (wood), and the innovative market is revolutionizing the construction industry around the globe. The building is constructed using salvaged beetle-kill timber harvested from Utah and the Intermountain Region's national forests.

Because insect epidemics leave swaths of dead and dying forests across the West every year, beetle infestations translate to billions of board feet of wasted wood. This increases wildfire hazards and puts communities and forests at risk. It also leaves agencies faced with the monumental task of restoring degraded ecosystems.

Solution: the conversion of low-value, beetle-killed waste wood, into high-value, massive wood walls, or ICLT. By joining beetle-killed wood together via four-way dove tails and butterfly joints, the damaged wood becomes an aesthetically pleasing, carbon-storing, massive wood wall.

This will increase building efficiency and provide extensive economic and environmental benefits.

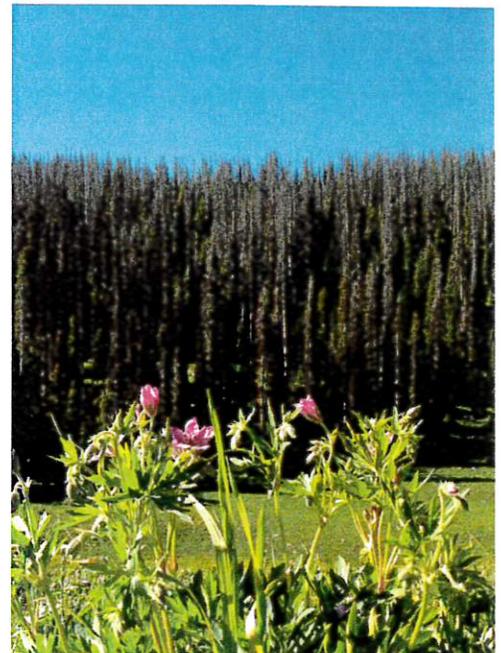


Photo courtesy of Darren McAvoy

Beetle-killed Engelmann Spruce on Wolf Creek Pass, Uinta Mountains, Utah

One of the objectives of this building is to demonstrate how ICLT construction can be a sustainable, affordable, aesthetically pleasing, and renewable building alternative, while simultaneously improving forest health and decreasing hazardous fuel loads.

THE DAVIS COUNTY/KAYSVILLE CITY PROPOSED ICLT BUILDING:



Includes Utah-sourced renewable materials.



Features a highly efficient building system resulting in reduced energy and water consumption.



Anchors and enhances the current water conservation and edible demonstration gardens.



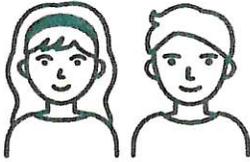
Features a technology-enhanced, indoor/outdoor event space and residential demonstration/catering kitchen.



Offers a unique gathering space for educational, public, private, and corporate events.

THE BUILDING WILL PROVIDE SPACE FOR:

- Multi-tiered life skills and job readiness programs for at-risk youth.



Youth programs are scheduled to enroll over 150 at-risk youth annually.



Family programs are expected to reach 192 families.



Other programs include:

- Family cooking classes
- Master Food Preserver training and certification
- Relationship education
- Food Safety managers certification
- Resume and interview skills classes
- Expanded Food Nutrition and Education Program (EFNEP) classes and training
- Create Better Health programs
- Extension classes and hands-on training
- Small community and corporate gatherings
- Beetle kill education
- K-6 field trips
- Water conservation
- Transmitting site for regional forestry and related programs
- Private gatherings

Operating and maintenance revenue that would be generated from the ICLT building

1. Federally funded EFNEP and SNAP Ed grant monies
2. Extension classes and workshops
3. Building usage from private, corporate, and government entities
4. Specialty produce from surrounding orchard and edible garden
5. Field trips

The capacity to process wood locally from forest thinning and wildland fire protection efforts can provide a tremendous opportunity for the local economies, and it will facilitate the advancement of this promising new building technology.

Through this ICLT building project, Davis County and Kaysville City are committed to creating an exemplary educational facility that champions the celebration of the farm-to-fork approach to modern living. Please join us in support of this one-of-a-kind project that has great economic, environmental, and educational benefits.



Renderings courtesy of Method Studio Inc.

\$854,500

Total to date invested, committed, or available

\$2,750,000

Total Cost for Building

\$1,895,500

Required to Complete Construction/Building