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**State Board of Regents**

Board of Regents Building, The Gateway  
60 South 400 West  
Salt Lake City, Utah 84101-1284

Phone 801.321.7101  
Fax 801.321.7199  
TDD 801.321.7130  
[www.higheredutah.org](http://www.higheredutah.org)

July 6, 2016

MEMORANDUM

TO: State Board of Regents

FROM: David L. Buhler

SUBJECT: Utah State University – Design of Interlocking Cross-Laminated Timber Building

Issue

Utah State University requests Board approval to use federal grant funds to program, plan, and design an Interlocking Cross-Laminated Timbers building to be located at the Botanical Center in Kaysville, Utah.

Background

Regent policy R710, *Capital Facilities* requires Regent approval for institutions to use donated or institutional funds to plan and design proposed capital development projects. Utah State University has received grant funding from the United States Forest Service to design a facility using Interlocking Cross-Laminated Timber (ICLT) technology. ICLT is a prefabricated solid wood wall used in green construction to reclaim waste wood without using glue or adhesive. ICLT particularly reclaims the growing abundance of beetle killed pine trees in the Intermountain West.

The University seeks authorization to use this grant to design a facility that would be located at the USU Botanical Center in Kaysville and will support Botanical Center operations. This project aligns with the mission and master plan of the Botanical Center that promotes sustainable best practices and provides teaching opportunities for the community. The University will return for Board approval for the construction phase of the project when it secures funding for the facility through private donations.

Additional information about this project and the request may be found in the attached letter and artist's rendering of the facility from the University, as well as a draft of a revised master plan of the USU Botanical Center currently being updated by the University. Representatives from the University will be available to address questions from the Board.



Commissioner's Recommendation

The Commissioner recommends that the Board authorize the University to proceed with programming, planning, and design using non-state sources of funding for the Interlocking Cross-Laminated Timbers building.

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David L. Buhler  
Commissioner of Higher Education

DLB/KLH/RPA  
Attachments



June 21, 2016

Commissioner David L. Buhler  
Utah State Board of Regents  
Board of Regents Building The Gateway  
60 South 400 West  
Salt Lake City, Utah 84101-1284

Subject: Design Phase of the Interlocking Cross-Laminated Timbers Building

Dear Commissioner Buhler:

Utah State University desires to begin the design phase of the Interlocking Cross-Laminated Timbers (ICLT) Building, a non-state funded project. Although this project has not yet received Building Board approval, it is anticipated that approval for the design phase will be granted during the September meeting. However, it is understood that approval is not guaranteed.

The United States Forest Service provided funding through a grant for design of the ICLT Building, a 4,000 square foot facility to be located on the USU Botanical Center in Kaysville. The building will contain a pavilion to support the Edible Demonstration Garden events, demonstration kitchen, large classroom, and rentable event space.

It is anticipated that construction and related soft costs of approximately \$1.5 million will be funded primarily through private donations. Funding for ongoing operation and maintenance costs will be paid from USU Botanical Center funds.

We appreciate your support and ask that you report this item to the Board of Regents during the July meeting. This request received Board of Trustees approval on June 24, 2016.

Sincerely,

David T. Cowley  
Vice President for  
Business and Finance

C: Kimberly Henrie, Associate Commissioner for Finance & Facilities  
Rich Amon, Assistant Commissioner for Business Operations  
Stan Albrecht, President  
Charles Darnell, Associate Vice President for Facilities



## KEY SITE FEATURES

## DRAFT CONCEPTUAL MASTER PLAN



## KEY CONCEPTS

The primary focus of the Campus Quads site concept is to create several distinct, identifiable campus spaces at separate locations of the Botanical Center. The multi-centric nature of this site concept maximizes site utilization by providing unique clusters of focused facilities for separate uses with unique needs.

The following are key drivers of the Campus Quads site concept:

- development pattern focused on creation of enclosed **identifiable campus quads** with distinct areas of emphasis
- **protection of east-west viewshed** through the site in order to maximize views to Wasatch Mountains and Great Salt Lake
- Quad 1 focuses on **events**, while Quad 2 focuses on **education** and Quad 3 focuses on **youth education** and recreation
- **multiple gateways** provide easy access to site, while Visitor's Center serves as intuitive **front door** for visitors
- **site utilization is maximized** for future facility development
- **Botanical Gardens distributed** throughout the site creating a green ribbon at the edges of the field district
- maximizing open space creates **rural feel** and limited street presence by pushing buildings to the edge of the site
- **building orientation focuses on creation of campus districts**, while seeking to maximize solar orientation while respecting natural site features
- significant amount of parking for ease of vehicular access, but **parking is held to edges of the site** to maximize open / natural spaces
- stream concept is reimagined as an **arroyo with an integrated trail** to educate visitors about desert dry wash vegetation types

## CONCEPTUAL SITE SECTION

