

Campus Facilities Planning Board (CFPB)

Summary Points of Meeting

April 7, 2011

Hawai'i Hall 309

2:00 pm – 4:00 pm

Attendees: David Hafner, Steve Meder, Kathy Cutshaw, Amy Anderson, Peter Crouch, Francisco Hernandez, Krystyna Aune, Vassilis Syrmos, Tom Katsuyoshi, Paul Mitri, Brian Minaai, and Ann Sakuma

Guests: Representatives from departments currently occupying Kuykendall Hall
 David Lassner (ITS)
 Charles Kaneshiro (Group 70)

Kuykendall Hall Renovation (see attached PDF for additional information)

Presented by Benjamin Woo Architects and Lawrence Berkeley National Laboratories

- Low energy high performance building – new model for campus.
- Aim is to meet energy reduction goal for UH → 30% by 2012, 50% by 2015, and self-sufficiency in energy and water by 2050.
- Objective is to create a sense of place thru landscaping, change in entryways, improvements to the sustainability courtyard, new vertical circulation, breezeway and lobby seating areas, corridor improvements that include recessed seating areas, classroom improvements, lighting upgrades, PV and wind turbines → aiming for a net-zero energy building and state-of-the-art learning center.
- Thermal comfort criteria standards for the three (3) models (natural/hybrid ventilation, mixed-mode, and mechanically conditioned) were reviewed and discussed.
 - Mixed-mode option will provide more comfortable environment year round.
 - Mixed-mode option has higher maintenance cost due to upkeep of dual system.
- Results of Analysis: natural ventilation has lowest energy use, followed by mixed-mode, and fully air conditioned using the most energy.
 - Energy savings based on current usage levels: 79% for natural, 60% mixed modes, and 36% fully air conditioned.
- Measurement and performance of the selected model will be monitored after the completion of the project as part of lessons learned. The group will also track the costs involved with the selected model.
- Project needs to be awarded by 2012 – 15 to 18 month construction process.
- Concerns raised include the mold issue due to Hawaii's humid weather.
 - Dehumidifying the building at night is the solution built into this project to prevent mold growth. Maximizing air movement along with appropriate selection of interior materials is taken into consideration to prevent mold growth.
- Altering the University's operational working hours (schedule) is also an important option to consider being here in Hawai'i.
- Corrosion and ambient salt concentration is a historical concern of mechanical cooling devices at Kuykendall Hall. Noise level is also an issue when teaching a

class at Kuykendall, especially with Campus Center nearby and the upcoming recreational facilities.

- The naturally ventilated option will always have air movement due to built-in ceiling fans and vents to pull hot air out.

CONCLUSION: The committee unanimously endorses the naturally ventilated model for Kuykendall Hall with the group to address the concerns raised by current occupants, including acoustics, corrosion, and ambient salt concentrations.

Review of Spaces to be Vacated by ITS

Presented by David Lassner

ITS requests the following four (4) areas to be retained by their department:

- Ground floor of Keller Hall due to specialized infrastructure (generators, back-ups, etc.). The back area on the ground floor of Keller will be used to house the servers.
- Wiring closet in Building 37 to be hub for fiber optics.
- Bilger Addition which is currently home of campus phone system (central office).
- Webster Hall – Room 204 (HITS site).

Edmondson & Snyder Hall Update

Presented by Charles Kaneshiro of Group 70

- Both Edmondson and Snyder are L-shaped buildings.
- Design plans will consolidate classrooms, offices, and laboratories on respective floors. In addition, propose to have a “bridge” on all four (4) levels to connect the buildings with two new elevators. The plan also includes a new consolidated entry with open air space to promote natural ventilation. There will be ADA access from McCarthy Mall.
 - Teaching labs and classrooms will be kept to the lower floors for easier access by students.
- Objective is to make Edmondson and Snyder Hall a life sciences center.
- Lab spaces are usually kept really cold and thus, creating outside open air places for people to sit, relax and collaborate (social space) is the purpose for the naturally ventilated “bridge” areas.
- It was recommended that the functional aspects of both buildings be made a priority before funds are committed toward building the connector bridge. Due to the current budget situation, it was also recommended that this project be put on hold until the renovation of each building progresses further along and the budget picture is clearer.

CONCLUSION: The committee will review this proposal again at the May 5th CFPB meeting after the completion of the legislative conference (May 3) when the budget situation will be clearer.

Next Meeting: Thursday, May 5, 2011 in Hawai'i Hall 309.