

## **Campus Facilities Planning Board (CFPB)**

Summary Points of Meeting

December 3, 2009

Bachman Room 113

2:00 pm – 3:30 pm

Attendees: David Hafner, Eric Crispin, Kathy Cutshaw, Reed Dasenbrock, Francisco Hernandez, Gary Ostrander, Clark Llewellyn, Eileen Ellis, Tom Katsuyoshi, Peter Crouch, and Ann Sakuma

November 5, 2009 meeting recap approved and to be posted on CFPB website.

### ESCOs = third party financing and operating companies

- Helps nonprofit organizations invest in energy opportunities.
- Ongoing discussions with bonding agencies.
  - Clean Renewable Energy Bonds (CREB): federal funds for energy retrofits
  - Qualified Energy Conservation Bonds (QECCB): for photovoltaicAbove funding agencies are judged on the number of funds given out and not based on \$ amount.
- UH has legislative authority to issue own bonds.
- Cities and areas that seek to control growth are looking to access to “X” amount of water and electricity to be able to ration kilowatt hour and water usage. The key here is to be our own ESCO.
- UH Hilo and Community Colleges have backed out of ESCO because it was not financially feasible for them.
- Is the expertise of ESCO more valuable than if we were to do it on our own?

### Edmondson Hall: David Hafner (see attached handout)

- Business plan for green buildings (page 5)
- Focusing on energy retrofits
- Split project into two parts (energy retrofit and general repairs)
- Can achieve 30% in energy savings (\$4,500/month)
- Frees up the CRDM for other projects
- If \$60K of energy usage can be shifted to non-peak hours, the savings gained can be substantial.
- Given the scarce resources UH has, funding this type of project will promote and reinforce our commitment to invest in efforts to save energy. Savings achieved can be shown via lower kilowatt hours used. Invest now for greater savings later.
- Seeking concurrence to do a full blown business model for this project.

**Conclusion: Committee approves to move this project forward. Use Edmondson as a pilot project to see how it works.**

Follow-up (December 4, 2009): Recommend altering the program configuration (the placement of classes, labs, and offices) within Edmondson to optimize the building's overall energy profile. Zoology would return with the same space functionality but arranged in a more optimal configuration to gain significant energy efficiencies and achieve a great new space (like the modular C-MORE) if we take this route.

#### Renewable Energy Solar Street Lamp

- Entirely off the grid, battery inside.
- Gift from vendor as a pilot for the community to view here at UH Mānoa.
- Cost to Mānoa is shipping and installation at an estimated \$3,500.
- Aesthetically, where should such items be placed? The parking structure may be a good site. Or a dim site on campus that needs additional light for safety. East-West road near Moore Hall?
- Appropriate publicity to the public will be needed with proper caveats.
- This may foster an academic climate of innovation and sustainability on campus.
- There is a policy issue → how will the University decide what can be accepted on this campus?
- Recommend to discuss with lawyers and obtain a clear agreement which includes a sunset clause if an item is no longer usable. We need to clearly understand the risks involved.
- Eileen Ellis has been the point of contact and thus, will further discuss with vendor.

**Conclusion: Committee approves this to move forward.**

Vertical access windmill is also a project coming to this committee for consideration.

#### Gartley Hall Update

- Analysis of the building is expected December 15, 2009.
- Working to get building stabilized by the Christmas holiday.
- Some furniture still needs to be moved out.
- Space in Sinclair Library will be vacated by December 18, 2009 for Outreach to move in.

#### Sinclair Library

- Suggest declaring Sinclair Library a “green building” to give priority for natural ventilation. Designating buildings as a “green building” will prevent installation of individual a/c window units, etc.

- This designation will allow facilities to change windows that will architecturally fit the original structure of Sinclair and preserve the natural ventilation of the building.
- The student success center also has natural ventilation and no a/c.

**Conclusion: Committee approves to designate Sinclair a “green building.”**

#### Campus Design Standards

- Early draft has been completed to nail down concepts and standards.
- Architecture 699 graduate class worked to put the draft together. The draft is loosely based on design standards and guidelines used for Waikiki.
- Building performance guidelines will also be built into this document.
- What are the horizontal and vertical elements tied together for a building?
- The document needs to be expanded further. This is just a starting point. Comments are welcome.

#### Landscape Advisory Committee (LAC)

- Published their annual report.  
See CFPB website: <http://www.manoa.hawaii.edu/ovcafo/newcfpb/index.html>
- The CFPB members recognize and express their appreciation for the efforts of the LAC.
- Recommend campus Deans/Directors use the information provided in the LAC annual report to get involved with campus beautification.
- Recommend inviting the LAC to the next MET meeting to discuss their accomplishments.
- Recommend the LAC work more closely with student organizations to adopt areas around campus, including residential student groups.

The Academic Calendar report has gone to the faculty senate for review and comments.

Meeting adjourned.