

<b>UAF Master Planning Committee Meeting Agenda</b>  Thursday, January 27, 2011, 2011; 9 – 11 a.m. Chancellor's Conference Room; Signers' Hall Room 330	1) Welcome 2) Discussion with Scott Bell, Associate Vice Chancellor for Facilities 3) SRC solar panels – Mike Ruckhaus & Jenny Campbell (Facilities) 4) Facilities Services update 5) Subcommittee Report: Campus Landscape and Outdoor Art 6) Subcommittee Report: North Campus 7) Public comment
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**Master Planning Committee Meeting  
January 27, 2011**

**Notes**

**Attending :** Da'ka'xeen Mehner, Randy Pitney, Lydia Anderson, Scott McCrae, Steve Murphy, Derek Miller, Joshua Greenberg, Nicole Nordstand, Gary Newman, Jonathan Shambare, Tom Hewitt, Deb Horner, Rich Boone

**Guests:** Mike Ruckhaus and Jenny Campbell

**Welcome and Introductions**

**Discussion with Scott Bell, Associate Vice Chancellor for Facilities**

Introductions – Scott Bell and MPC members

Rich asked about UAF's energy future

UAF design standards should include energy targets for buildings  
Retrofitting for energy conservation is more costly than budgeting for energy conservation when a building is constructed.  
Coal is likely to be part of UAF's future for some time

Deb asked about the choice of using coal given environmental considerations.  
Scott replied that economic considerations are key.

Replacing power plant will cost roughly \$100M.

Rich asked if MPC members had issues to identify for Scott as key issues for their stakeholders.

Steve asked if clean coal technology is possible here given the issue of air quality in Fairbanks.

Mike Ruckhaus described the current system. UAF has evaluated the stack and found that the plant is not a large source of PM 2.5.

Coal boilers were installed in 1964.

Steve: if gas is uncertain, would a hybrid system (coal and gas) make sense?

Mike: existing boilers could be converted to gas. Plan is to replace entire plant.

Deb asked how much UAF research on these topics is taking place. Mike replied that Facilities is working with ACEP.

Derek asked whether UAF could tie into power from Susitna. Electricity from Susitna could be used to generate steam heat but it would not be cost effective.

UAF generates power at ~\$0.04 Kwh, much less than cost from GVEA (~\$0.19 Kwh).

Randy suggested that Facilities can be more energy efficient (e.g., reducing idling trucks).

Gary identified balancing of heating and cooling in buildings as an issue. Another is building lighting (e.g. Irving II); there aren't switches for individual offices/work areas. There should be an analysis to conserve with respect to zoning of lighting (switches for individual work spaces).

Lydia said #1 issue for students is the condition of residence halls. Lydia also pointed out that Student Union is not meeting the needs of campus.

Deb suggested an analysis of new fixtures in bathrooms (e.g., Bunnell Building) and other auto fixtures (faucets, etc.).

Tom seconded that dorms are the students' main concern. He also echoed the need to have a goal for a centralized, multi-purposed student union building. It would improve quality of life on campus and improve students' perceptions of campus.

Randy noted that Alumni Association goes to Juneau every year to advocate for UAF; it would be useful to get from Facilities a list of high priority needs. Need for elevator in Constitution Hall.

#### SRC Solar Panels – Mike Ruckhaus and Jenny Campbell (Facilities) and Michele Hebert

Mike emphasized that this is a student project.

Facilities is moving into the design phase now. Design Alaska is working on the design

Student carried out a survey; results were very positive. RISE board approved funding towards the project.

Total target for project is 30KW.

A decision is to wall mount or roof mount panels (engineering and aesthetic considerations).

Thin-film technology can be used on exterior walls, but it is not practical for SRC because a new substructure on the building exterior would need to be installed under the film.

Goal is to install panels this summer.

Not a very viable energy payback. This is not an issue for a majority of students. Students identified sustainability as the main value. It will symbolize sustainability.

Joshua asked about roof mounts; energy return will be greater from ceiling mounts.

Tom said students want it to be visible. Classic solar panels on roof will do that.

Gary asked if snow removal from panels will be necessary. There wasn't agreement about the answer.

Michele said that current estimate is \$365K (including design and installation).

Gary pointed out the panels are a high cost for a sustainability initiative that may not have economic payback for more than 25 yrs.

Deb asked if this is the "best bang for the buck" for sustainability demonstrable?

Michele pointed out that SIREN fee is targeted for sustainability projects, specifically energy related. Students approved a \$20/person/semester tax for sustainability projects on campus.

Steve pointed out we didn't discuss the value of sustainability for reducing carbon footprint. He spoke in favor of the project as a demonstration project. He felt MPC needs to pay attention to this. Steve applauded students for getting it started.

Randy was positive about the project.

Jonathan asked if it is the role of MPC to consider return on investment.

Michele noted that a lot of ideas came from Design and Construction and that students have moved projects forward.

Deb stated that MPC represents a broad spectrum of perspectives and that having an opportunity to do that is important.

Randy made a motion (seconded by Gary) that

*MPC expresses its support for the SRC solar panel project as it moves through the process of design and review. Furthermore the MPC commends the students for their initiative to make the campus more sustainable.*

Motion approved unanimously 12-0

**Facilities Services Update – Jonathan Shambare**

Energy Test Module project is out for bid. Expected construction is April to November.

DOT completed their cost estimate for the roundabout; the estimate is significantly higher than \$2.5M. Jonathan didn't have the final cost. He thinks it is in the \$5M range.

Per FMATS requirements the beneficiary (UAF in this case) will have to contribute 20% towards the project.

Jonathan will be able to share final cost and design at next meeting.

Facilities has done a design study of Fine Arts Building; there are condensation problems with walls (Room 321). Possible challenges are the need for a new exterior or a vapor barrier (inside work). Issue will come back to MPC when a design study is completed. There are no signs of mold.

Life Sciences Building activities are continuing. Scheme for short-term parking (during construction) is being determined.

Jonathan and Chancellor Rogers had an impromptu meeting with Regent Wickersham regarding design standards; Regent Wickersham would like more details in the standards. Jonathan and Deb will be working on the issue. Any changes would need to be incorporated into the Campus Master Plan. Lydia asked about cracking windows in Moore Hall. A consultant was hired and unable to provide a definite explanation. Facilities will carry out more testing to determine the cause.

Deb asked about installation of sprinklers in west wing of Arctic Health. Jonathan will get the answer.

Gary asked if design for CANHR of AHRB is completed. Facilities will soon submit design to NIH for review.

Gary asked designs of the planned greenhouse on the southwest side of AHRB are completed. Jonathan will bring design drawings to the next meeting.

**Subcommittee Report: Campus Landscape and Outdoor Art – Deb Horner**

There has been progress on interpretive signing on campus. A subgroup met recently to talk about signage. Bernice Joseph suggested kicking off a funding campaign for Troth Yeddha in conjunction with anniversary of ANCSA. Issue of design concepts were discussed at the meeting. At the meeting Deb raised the need to coordinate interpretative signage on campus. Standards for signs need to be developed.

Carol Diebold (UA Museum) offered the services of her staff to develop sign design standards.

Deb serves on committee charged with the issue of naming on campus.

**Subcommittee Report: North Campus (no report)**

**Public Comment – none**

Meeting adjourned at 11:00A.

Next regular meeting scheduled for Thursday, February 10, 2011.