

Campus Land Use Committee Minutes  
June 20, 2011

Attendees: Mark Kormondy, Rich Davis, Paul Smith, Sarah Pedersen, Mike Paros

Recorder: Emily Sladek

Guests: Aaron Powell, Jessica Schilke

Introductions & Approval of Minutes

May minutes approved

Cell Phone Antenna (Aaron Powell)

The Vice Presidents said the College will have enhanced cellular service on campus. The CLUC's role is to make a recommendation on the location of the antenna or tower that would minimize changing the appearance of the Clock Tower.

- Paul asks if constructing a tower is a plausible idea. Aaron thinks that would be too costly. The College may also need to have a tower approved by the WA State Land Use Committee which can be a lengthy process.
- Are there other locations other than the Clock Tower to install antennas? Aaron said no other locations were economically viable.
- Aaron proposes a screen be erected, especially if the antennas are placed around the perimeter of the roof, because more of the poles will be visible. If antennas are placed around the outside, instead of the center, two or three carriers should have space for antennas. Providing room for more vendors would allow for more of the campus community to be served by the improved service.
- There is discussion of where multiple vendors could store their boxes. Paul thinks there is space in the Clock Tower for them. They may need to be fenced in to be secure from other tampering. Azeem has been working with an engineer for how to make the space safer for people to access.
- In an emergency situation the antennas would not be hooked up to generators, so if the Library lost power the antennas would only operate for 3 hours. There is a brief discussion of possibly routing them to a generator.
- Radiation exposure is discussed. The Federal Communications Commission said the actual telephones would have more of a possible impact on people's health than the antennas. The radiation frequency emanates from the front of the antenna, so if the people working on the antennas stood behind them the risk is greatly reduced. By locating the antennas around the perimeter of the roof, all waves would be traveling outward, so the center of the roof should be safe. To be directly in front of the antennas positioned at the edge of the roof, the person would have to be hanging from the Clock Tower for 6-8 minutes for their health to be risked. If the poles are positioned in the center, people on the roof would be at greater risk to exposure.
- Feedback from the campus community: Sarah said that of the responses she received, which was not representative of the population, most indicated that they would like better cell phone service on campus and that they prefer adding the eight foot screen to the top of the Clock Tower.

- Paul talked to the students who said if there is cellar service added to campus that the money earned go to scholarships for students.

A Request from Proposals (RFP) will need to be publicized since more than one business is interested in having an antenna on the Clock Tower. The RFP should include:

- A clause about companies leasing their equipment to other companies and that the college should receive a percentage of the lease agreement
- The vendor creating a safe entrance to the roof of the Clock Tower
- Different heights of screens or no screen be options for installation
- The vendor working with Facilities Services staff
- The danger to radiation needs to be specified in the RFP and that the company is certified in the management of it.

The CLUC approves the location of the Clock Tower. Paul will send a recommendation to John Hurley, Vice President of Finance and Administration, for approval.

#### Aquaponics (Jessica Shilke)

- Jessica presents changes to her application since last month's CLUC meeting. She says the ongoing use and maintenance of the Aquaponics project will be integrated into the Sustainable Agricultural curriculum including a Spring 2012 course on urban agricultural.
- The design will be implemented in Green House 3. Currently there is no electricity in that green house, but there is funding in her grant for the green house to be wired and an electrical panel installed. She needs electricity to keep the fish tanks heated.
- The project has been approved by CELL. The CLUC asked if CELL had any concerns. Jessica said the group wanted to know if the CLUC had approved it and the CLUC vice versa, so it has been a little circular trying to get approval from all the different committees, but it is working itself out.
- The project is being sponsored by Dave Muehleisen, Melissa Barker (Steven Bramwell), and Peter Robinson.
- Jessica has built a smaller Aquaponics system before. The design scale of this proposal is larger and appropriate for residences. She's also attended Aquaponics training and researched other higher education aquaponic studies.
- She plans to start with Koi and goldfish and may move to Arctic char. The system would produce vegetables to possibly be sold on campus.
- Mike asks if the produce can be approved as meeting organic standards. Jessica says fish waste standards are changing. She will start with feeding the fish manufactured fish food, but may later move to duck weed or flax seed.
- The CLUC asks how many fish will be housed in the tanks. Jessica says she has two 300 gallon tanks and that maximum capacity is one fish for two gallons. Although there will be less fish than this, because the tanks won't be completely full and she doesn't need to stock it at full capacity. This system of farming uses 90% less water and grows more food faster.
- The filters can be made up of various materials like plastic practice golf balls. When these are changed out she thought much of the material could be composted.

- The plants will grow from the nitrogen that remains in the water. Part of the project is to provide good measurements on how nitrogen levels fluctuate in the system, so scientific metering devices will be installed.

**ACTION ITEMS:** Jessica needs to have Peter Robinson or Dave Muehleisen enter a work order for the electricity to be routed to the green house soon, because Facilities staff will get busier as summer progresses.

**ACTION ITEMS:** Jessica needs to send all her planning documents to Paul Smith.

The CLUC approves the project. Paul will send a recommendation to the Vice President of Finance and Administration for approval.

#### Campus Master Plan 2008 Updates

- General Discussion.

**ACTION ITEM: CLUC members should read through Vol. 1 of the plan and see where updates are needed.**

- If changes to the plan are substantial, the updates will need to be opened for public comment and the Board of Trustees for approval.

**The next CLUC meeting will be Monday, September 19 from 3-5pm in the Facilities Conference Room unless an emergent issue arises.**