

Clean Energy Committee

Meeting Minutes

Date: 13-April-07

Time: 3-5pm

Place: Facilities Conference Room (Lab II)

Main Objectives:

1. Announcements/Updates/Spring Schedule
2. Building Monitoring Update;
3. Discussion on future of Clean Energy Fund – how do we increase interest and promote big ideas?;
4. Future meeting schedule.

Attendees: Tom Mercado, Paul Smith, Andy Deffobis, Chelsie Papiez, Maggie Philipsborn, John Pumilio, Steve Trotter, E.J. Zita.

Topic 1: Announcements:

- Welcome to E.J. Zita! Zita has replaced Rob Cole as the faculty member on the committee;
- In March, we received word from Puget Sound Energy that our current rate of 1 cent per kWh was decreased to 0.6 cents. This will be effective starting on April 1. Consequently, because the cost of green power is now 40% cheaper, we will be receiving additional annual money into the Clean Energy Fund.
- SYNERGY (April 20-22): Andy and Chelsie will look into tabling at the conference to promote the Clean Energy Committee and encourage student interest in joining the committee for next Fall;
- Spring Quarter Schedule Reminder:
 - **April 27th** meeting to discuss future project ideas and allocation options of Clean Energy Fund (Facilities Conference Room 3-5pm);
 - **April 30th** deadline for Clean Energy Fund Applications;
 - **May 1st** meeting at 1pm in the Facilities Conference Room to vote on Lucid Design Group proposal for real-time building monitoring;
 - **May 4th** student presentations for project ideas (Facilities Conference Room 3-5pm).

Topic 2: Lucid Design Group Building Monitoring Update:

- Michael Murray (Lucid Design Group), John Lauer (Director of Residential & Dining Services), Mike Drennon (Facilities), David Metzler (Manager of Network

Services), and John Pumilio (Coordinator Clean Energy Committee) have been in dialogue regarding the logistics of bringing real-time building monitoring of the Sustainability House (Dorm N) and an adjacent dorm.

- The challenge right now is connecting Evergreen's Circon system to the Dorm's. This can be accomplished by digging a new ditch and running the cable or by pushing it through the existing pipe (if there is a feeder). However, the best and cheapest option seems to be the ILON data logger. It is wireless, internet based, and works with LonWorks. There is a small risk that it may not be compatible with the Circon system. However, the risk is small and would not affect the real-time display and monitoring capabilities (only facilities ability to read the data).
- The total estimated cost would be around \$35,000 (this includes the purchase and installation of ILON, cost of a new computer for security purposes, electrical meter, electrician estimates, and Lucid's full support and software licensing).
- John Lauer has initially agreed to put \$10,000 for the project and the Clean Energy Committee will have to decide on whether they want to allocate the other \$25,000.
- The Clean Energy Committee will meet with John Lauer, Mike Drennon, and perhaps David Metzler on May 1st to discuss this in more detail. Then, the Committee will take a vote and make its decision.

Topic 3: Discussion on future project ideas and allocation options of Clean Energy Fund

- A main focus of our meeting today was to (re)think about what the main objective is or should be of the Clean Energy Committee. Steve Trotter (Director of Budgeting and Planning) came to our meeting to discuss his perspective on what the original initiative intended to accomplish and possible options. Steve's point of view is important because the students who initiated and campaigned for the initiative are no longer a part of the Clean Energy Committee and have since graduated from Evergreen. However, Steve helped facilitate the process and helped them work through the logistics.
- Steve challenged us to think big; that the original ideals of the initiative were to help Evergreen become a leader in the fight against global warming and to increase the development of clean, renewable energy.
- Committee members agreed that the amount of money coming into the fund coupled with the general lack of student proposals necessitated some form of change. Possible ideas:
 - Role out several long-term investment strategies and bring this to the students for their comments and/or approval. Hypothetical examples might include, a 5-year, \$50,000/year investment in the installation of photovoltaic cells or cogeneration, etc.

- Keeping some money in the fund to encourage smaller-scale student projects and ideas or for guest speakers, etc.
- We believe the money should be used as leverage to encourage further investments from other departments. For example, the Clean Energy Committee and facilities co-invest in some specified project.
- We should consider options where we get a pay back on our investment if it saves the college money. For example, if the committee allocates money for cogeneration which then saves the college \$30,000/year some of that money should be reinvested back into the fund.
- Members of the Clean Energy Committee liked these ideas and decided to call a special meeting on April 27 to discuss these options in more detail.