

Clean Energy Committee - Meeting Minutes

October 27, 2010, 3:00-5:00 PM

HCC/ Facilities Conference Room

Committee Members Present: Dani, Peter, Scott, Nina, Kyle, Austin, Adam, Courtney, Paul and Don.

- Tour of and follow-up on the Water Metering Project (and quick look at Wetlands Restoration Project).
 - Very quick budget overview (by Adam) – operating budget for the year is approximately \$102 000 for student programs fund
 - Going through coordinator's handbook and bylaws suspended until next meeting due to lack of time.
 - Student survey. Purpose: Investigate how students want to spend the Clean Energy fund money.
 - Committee student members will meet later on and write the questions.
 - Input from faculty and staff:
 - Specifics instead of generalizations.
 - Should we reduce the fees?
 - Is it okay to let the committee (members) propose projects?
 - Do you contribute towards conserving energy... e.g. turning off lights, water.
 - Do you know who to contact if there are problems on campus e.g. leaky toilets?
 - Outreach. Increased faculty involvement and awareness to pass the message on to students would be a good idea. Possibility of starting an educational campaign to get students involved in energy conservation – e.g. turning of lights.
 - Assessing the green tag. It has been rumored that 42% of PSE green tag money goes into marketing. Research should be done on that and alternative REC options (Dani will talk to PSE).
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PROPOSALS:

- Kyle Day, Crime Watch – Segway Proposal
 - *Why can't officers just run or bike?* It's quick but officers seem to have diminished response time/decision making ability because of physical excitement.
 - *Can defibrillators be carried on Segways?* Yes. Segways have storage compartment/attached compartment (bikes don't because it offcenters the bike).
 - *How are Segways better than cars?* They provide easy access to buildings and more community contact.
 - *Concern: Building workers don't like Segways in buildings because they're fast and tear up the building.* It can be done safely and slowly.
 - *Why didn't the police propose this?* Crime Watch can also use them and it makes them more effective.
 - *How many segways would Crime Watch get?* One. The other two are for the Police Officers.
 - *What is service/maintenance cost?* They break down rarely and it's fairly low cost (made up by savings on gas compared to cars).
 - *Idea – give up a police car in favor of Segways to ensure disuse of cars (even in bad weather).*
 - *Concern: they don't go up stairs*

- *Concern: Will Segways be used in bad weather?*
 - *How do they charge/how long? At the police station when they're not in use. Hold a charge for about 5 miles.*
 - *Would the police and CrimeWatch be dissuaded from using bikes if they have Segways?*
No, but the Segways are better to use and you can't force someone to bike.
 - *Police on foot is optimal, energy and community wise. Segways are better to create social contact than bikes and cars.*
 - *Training? Yes, it's required.*
 - *Student comments from tesctalk: Many would not like the money spent like this.*
 - *There's a precedent of conventional vehicles being disposed of in favor of energy efficient vehicles.*
 - *Does it operate on snow? Unknown.*
 - *Do they have sirens? Only on the police ones, which would also have police markings, not the CrimeWatch one.*
 - **Motion do reject the proposal:**
 - *Passed*
 - Leland Drexler-Russel, RAD Services - Infrared Thermal Leak Detection
 - *To have one building done by a company cost as much as a week of camera rental.*
 - *Could it be expanded towards other buildings, possibly rent for a month instead of week?*
Not yet considered, cost not know but it will be explored further.
 - *It should be presented at the Clean Energy Fair – larger RAD presentation.*
 - **Motion to approve rental of camera for one week not to exceed 1000\$ including shipping and tax:**
 - *Passed.*
 - Rik Kedziorski - Energy efficient Supercomputing @ the SLACR Distributed Computing Lab
 - *Have calculations of energy useage been done prior to requesting measurements? Yes.*
 - *How will info on usage lead to saving energy? It's data collection for future grant proposals to justify getting more efficient computers.*
 - *Why a whole powerstrip rather than a smaller device to plug into powerstrips? It doubles to help the powerstip situation (the current ones are damaged and too many are used).*
 - *What happens when data has been collected, where do the powerstrips go?*
 - *Proposal could be rewritten for new, normal powerstrips + kilowatt easy measurer and include decisions about where they go afterwards.*
 - **Motion to table proposal until next meeting to encourage further research:**
 - *Passed.*
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- Next meeting: December 1st, proposal deadline the 24th of November.
 - *Before then: Class room presentation: Dani and Adam. Website training next week: Adam, Nina and Dani.*
 - Announcement: Dani's applying for a job and if she gets it she would not be a student next quarter, meaning a new coordinator would be needed.
 - A proxy student member should be identified from the top applicants for the positions just filled.
 - Remember: Clean Energy Fair comes up in spring and it comes up fast.