

FACULTY SENATE
February 11, 2009
REID HALL 104
4:10 PM – 5:00 PM
MONTANA STATE UNIVERSITY-BOZEMAN, MONTANA
Minutes

Members Present: Becker, Caton for Wisner, Cherry, Eitle, Fischer, Fleck, Gerlach, Jacobsen, Lansverk, Livingston, Lynch, Mokwa, Osborne, Prawdzienski, Simpson, Varricchio, Versaevel, Watson, T. Weaver, Z Wojtowicz, Zhu

Members Absent: Amin, Bangert, Bennett, Chem/Biochem, Fields, Gee, Igo, Jacobs, Jackson, Larson, Lei, Maskiell, Neumeier, Political Science, Sowell, S. Taylor, D. Weaver

Others Present: Cliff Montagne, David Klem, Kevin Thane, Jack Hopkins, Marc Smith, Josh Jane, Joseph Fedock

Chair Wes Lynch called the meeting to order at 4:10 PM. A quorum was present.

Announcements – Wes Lynch

- FS Meetings:
 - February 18, 2009 – Union bargaining unit make-up discussion. Since planning this discussion, the MEA-MFT and the MUS have reached an agreement on a compromise about the make-up of two bargaining units; one for tenure-track faculty and one for adjunct faculty, both over .5 FTE. There are exclusions of certain groups in the bargaining units, e.g., professional engineers; Ag Extension off-campus, although some on campus agents are included; and, department heads. For more information, FS members should contact a union rep. It is still unclear exactly when the voting will take place. Faculty are encouraged to submit questions for the forum.
 - The Sick Leave Reporting Form has been postponed.
 - February 25, 2009 – Warren Jones and Marvin Lansverk will discuss Accreditation.
 - March 25, 2009 – President Gamble and Provost Dooley will be speaking to FS.
 - The BOR have arranged bi-monthly conference calls with faculty leadership across the MUS when they do not meet in person.
 - The issue of university faculty teaching high school students (dual credit issue) was discussed. That is, if a high school student takes a college course, the teacher must be accredited by being licensed, be subject to a background check and finger printing.
 - The governor's budget was discussed.
 - FS sent a letter of support for the ORP parity correction.
 - The March 11 faculty gathering has been postponed. Other ideas for faculty social interaction will be discussed.
 - Dr. Al-kaisy would like comments on the Five Year Vision Plan. Please email them to Gale at gough@montana.edu

Campus Sustainability Advisory Council – Cliff Montagne

- After President Gamble signed the *American Colleges and Universities Climate Commitment* document, he asked Dr. Montagne to be the liaison for our campus sustainability program. As a result, we have formed the Campus Sustainability Advisory Council. The council consists of membership which may be viewed on the website <http://www.montana.edu/opa/coms/csac.html>
- Currently, the Council is focusing on how MSU may save energy.

Integrated Energy Services – David Klem

- Mr. Klem was hired by the university to evaluate and save energy for the campus.
 - Operational changes – Saving money on a macro level is accomplished by observing how a building is operated, e.g., heating and cooling rooms. Lowering heat temperatures 5 degrees during the winter saves a large amount of money, as does turning off lights not being used. For every hour lights are turned off, it saves the university about \$75,000 a year.
 - Behavioral changes – Saving energy on a micro-personal level. When not occupying your office, turn off lights. When you leave for the weekend, turn off your computer and turn down heat. By turning off computers at night, the university saves about \$150,000.
- The goal for saving energy this year is \$1M.

- Discussions ensued:
 - *Is there an initiative to put timed thermostats into use?* There are many already in use across campuses, but we could improve by having all buildings with these devices.
 - *Do you have any information about the large construction projects and renovation of buildings on campus?* The architects working on these projects are trying hard to promote sustainability methods. When you build green, there is an initial investment made up front. Investing a large amount of money that you don't have, and that you won't recoup in 20 years, makes it a difficult task to accomplish. Ultimately, we would like to upgrade systems in older buildings such as the HVAC and windows. We see immediate returns when we do things like this.
 - *What does temperature change (turning it down) do to a biology lab?* We can't adjust the temperature in the labs, but we are working around that by making adjustments in other buildings that do not have labs.
 - *Are you going to do some kind of energy audit before you make changes so you can track changes?* Yes, we are collecting data, using last year as a baseline with some adjustments. As we move forward we will be able to give reports building by building, month-by-month with the adjustments.
 - *What do you define as our "first year?"* This past December 2008 to December 2009, we would like to save \$1M. We are trying to also come in line with the governor's 20/10 program.
 - *Someone came through our building and stated that they were going to replace fluorescent lights? Is that part of your program?* That has been going on for quite awhile and before we were hired. It is a Facilities endeavor. We are involved in savings; how not to spend money and we recommend things like that.
 - *A lot of potential for energy savings are in the behavioral changes. How do you see yourself implementing those behavioral changes without restricting personal freedom?* I am meeting with a lot of people to get to know them and their habits. We are using email as a tool to help inform and remind people about energy savings and what we would like to accomplish. It is a matter of continuing to communicate with people.
 - *How are you going to communicate with freshmen when they first arrive on campus about being involved in this community endeavor?* Facilities has a vested interest in keeping costs down and we are in discussions with administration and other students. We are involving students in competitions such as, who can save the most energy in a dorm, etc.
 - *Do you know how much automatic sensors save?* They are relatively inexpensive to install and the payback is immediate. We are in the process of communicating with Facilities about that, as we would like to see them installed in the bathrooms in all buildings.
 - *Are there standards for hot water temperatures in the bathrooms? There are large inconsistencies across campus.* We need to rely on people like you to tell us about those kinds of things so we can correct that. Feedback is very important to us. You may email me:
 - **Klem, David** 994-6632
Res Conservation Splst
Facilities Services; PP 102B
dklem@montana.edu
 - *How much energy does the new chemistry building use?* It is one of the least efficient per square footage. When you have many labs, you have an air circulation system that has a huge exchange. I am working with the building manager to monitor what equipment is being used or not. If it is not, we are trying to educate users to turn them off.
 - *A lot of other universities close down at Christmas and other holidays. Does that save a lot of money?* I would guess it would be substantial, although I don't have numbers.
 - *The student culture within ASMSU is very "sustainability" oriented. They taxed themselves for the recycling program. Even though we are transient, we have a concern about the environment, and the habits we gain now will last and we can reach out to the community with them (student speaking).*
 - *Other than energy savings (water, heat, lights), I know we've seen the recycling bins around campus, but what kind of best practices are other people on campus involved in?* Students are planning many activities for awareness. We are involved in a composting project with Food Services and gathering data about it. An inventory of greenhouse gases, making an audit and

making recommendations on how we can decrease those gases, is being contemplated. U of M has done such a study and it is very impressive. We have partnered with the Bozeman High School, and lower grades, and are teaching kids about recycling and how they can save energy.

- *What about transportation? How many vehicles on this campus and are they energy efficient?* The campus utilizes very small vehicles, half the size of regular cars, for electricians, plumbers. There is a concept of employee carpooling. Most of Facilities Services are very keen to the concept of sustainability and reducing our energy consumption. This has not just happened in the last year, but before that. For instance, they made changes to the boiler plant a few years back. All new fleet vehicles have to have a certain mpg; we have the Streamline public transit.
- *How do you get paid?* We get paid a percentage up to a cap. After that cap, the money comes back to you. I don't have the specifics with respect to the percentage.
- *Where is the closest recycling paper plant?* It's been going to Belgrade and then that company sells it off and ships the material to another processor.
- *Are any funds allocated to retrofitting buildings?* Yes, but I don't know how much.
- *Has the Sustainability Committee set any targets or projects for those funds that are saved through energy conservation?* That is in the facilities realm. One of the first things they would like to do is hire someone to continue to oversee and save energy. Any additional funds would be used for various projects. I believe the Sustainability Council would have some input as to the destiny of those funds.
- *Have you come up with competitions or other incentives to get people to come up with energy saving ideas/competitions with rewards?* We have not. The only thinking we have is the webpage. We should brainstorm with you about your ideas.

I believe that is a task that students have taken on. They have offered competition between dorms and have been in communications with faculty and staff about sustainability (student speaking). The angle the students are taking is more workable solutions to problems and taking on challenges of the problems by setting up a committee of energetic, passionate students (who can? for their own subcommittees). It will begin with much research and talk, but will culminate in action. We have our work cut out, as the sustainability project is a blank slate right now (student speaking).

The Faculty Senate meeting ended at 5:00 PM, as there was no further business.

Signature

Wes Lynch, Chair

Signature

Gale R. Gough, Secretary