

Energy Task Force

James 116 April 4, 2013, 9 a.m.

Participants

Paul Chamberlin, Sara Cleaves, El Farrell, Tat Fu, Jackie Furlone, Tom Kelly, Matt O'Keefe, Beth Potier, Lou Simms, Cameron Wake, Andrew Wells, 405 students

Meeting Agenda

- 405 student presentations
- WildCAP updates and discussion
- Tweeting Discomfort project

Next Steps

- Sign up for the Wildcat Commuter Challenge!
<http://www.sustainableunh.unh.edu/wildcat-commuter-challenge>
- Attach to email with notes:
 - PPT's on 405 presentations and WildCAP
 - Subcommittee assignments (included in WildCAP ppt)

Discussion

405 presentations (see attached ppt. presentation for full details)

(Students will present at URC Wednesday April 25th 2-5pm.)

Proposed Additions to Wildcap:

- Improve composting program
 - Discussed with manager of Woodsides, already have one in place
 - Want to improve
 - Small bins in each apartment at Woodsides
 - 2.4 gallon container with carbon filter
 - \$20/container, total cost: \$6,000
 - Greenhouse gas reduction
 - 7lb waste / student/ week

- total from apartments: 58 metric tons of CO2 emissions
- Laundry and Dryers in the dorms
 - Current dryers inefficient
 - Problem is time not money: \$.45 per cycle
 - UNH spends approximately \$83k/year on dryers
 - Proposed alternative: Drying racks in residence halls
 - \$22.75/each
 - trial: 50 racks and 50 clothing lines in different dorms
 - Increase cost of dryers: 1st year \$1.00, 2nd year \$2.00
 - Would pay for cost of drying racks
 - looking for 80% decrease in dryer use in 2nd year
 - Behavioral and educational change on campus, has more effect on students
- Low-Flow Showerheads
 - Most are already replaced
 - Cost for 1,000 new : \$10k
 - 1.5 gal/min vs 3 gal/min
 - Gables plans to redo bathrooms and kitchens in near future
 - Confusion exists on campus as to how many/where low flow showerheads already are
 - Williamson, Christianson and Hubbard were replaced ¾ years ago
- LED Street lights
 - Proposed in 2010 by town of Durham and UNH
 - Replacement would require a new fixture head in order to change over, additional cost
 - 1,400 bulbs @ \$10/light, plus labor \$7k (estimated) = \$21k cost
 - Savings would be \$40k, estimated ROI 6 months to 1 year
 - Would save 674,000 kWh annually
 - Grant went through, most of main street has been converted, all 234 have been replaced
- Education
 - Was discussed with students a lot
 - Students agree a Dual major would have greatest impact on students than other options such as a minor or discovery program
 - If UNH is a sustainable campus, dual major has to exist on campus

WildCAP 2009 refresher and final emissions data from FY10-11

(For background information on WildCAP, see attached Power Point Presentation)

- History
 - Have emissions tracked from 1990 on
 - Within two years of signing ACUPCC had to come up with a Climate Action Plan
 - Updated building standards, all new will be Silver or equivalent
 - Energy efficient appliance purchasing

- Encourage public transit
- Track long distance travel
- Goals of WildCAP
 - Maximize emissions reductions as soon as possible
 - Cost savings
 - Will include Operational and Behavior elements, but also have Educational and Curriculum aspects
- Last WildCAP, met with staff councils, student and grad student councils for input
- Aggressive targets:
 - 50% reduction in CO₂ by 2020
 - 80% reduction GHGE by 2050
 - en route to “climate neutrality” by 2100
 - compared against 2001
- Post CoGen and Ecoline, how to get the rest of the way there
 - 4 areas: Efficiency, renewables, conservation, transportation
 - Students analyzed potentials of different action items
 - Feasibility, cost savings and emissions savings potentials
- New Categories
 - See attached for sub-categories and ETF member assignments
- Last WildCAP discussed mitigation but did not include adaptation elements
 - Will add that in.
- Overall message of new WildCAP needs to include that behavior from everyone on campus needs to change in order to meet goals
- Student suggestion: Supply a hand out at move – in with other important papers
 - Have we tried that in the past?
- Important message to give to the cabinet at year-end
 - Time to really bring in best practices to the culture on campus
- UNH rebranding will be launched in the fall
 - Sustainability is one of top three messages
- Mike Bellamente will join ETF to be on Land Use/Waste/Recycling SubC
- Add student-led efforts in behavior/culture piece

Tweeting Discomfort project: Tat Fu

- Launched 2 weeks ago as a beta launch
- Has had some media coverage, Beth wrote article in CJ and had recent TNH article written by a student
- Faculty member has brought thermometer into classroom to know specific temperature level
- Will still run project in the fall
 - Potential to partner with the energy challenge