

Energy Task Force

Dimond 343, August 28th 1-2:30pm

Participants:

Megan Barry, Sara Cleaves, Jim Dombroske, El Farrell, Tat Fu, Jackie Furlone, Fiona Gettinger, Vincent Lyon, Matt O'Keefe, Lisa Pollard, Lou Simms, Sarah Smith, Mike Welch

Meeting Agenda

- 1:00 Welcome and introductions
- 1:10 Update on WildCAP and next steps: Sara Cleaves and Lou Simms
- 1:30 Overview of STARS data related to climate and energy: Sara Cleaves and Lou Simms
- 1:50 Update on EEF projects: Matt O'Keefe
- 2:10 ETF goals for upcoming year and related work plan: Matt O'Keefe
- 2:25 Wrap up/next steps
- 2:30 Adjourn

Discussion

- Students:
 - SEAC/CAN will have solid representation at meetings this year
 - Jackie discuss with them later in a student meeting

WildCAP and GHG Inventory Updates: (see attached slides)

- Lou Simms intro – Intern at Sustainability Institute. 2nd year at UNH in Resource Admin/Management Program
 - He is working with Sara on data collection related to GHG inventory, STARS reporting, PCC, Transportation, and Local Harvest Data
- Announcement: Sustainability Academy is now Sustainability Institute at UNH!

- Presidents' Climate Commitment and Greenhouse Gas Inventory:
 - Using Clean Air Cool Planet's (CACP) carbon calculator for inventory
 - PCC requires a GHG emissions inventory and report every two years
- WildCAP – completed in 2009, can update on our own timeline -
- This year's GHG Inventory:
 - Should this year's report be shorter or a larger/longer public report?
- Airline emissions is a new addition, adding into report for this year. CACP allows for transfer of \$\$ spent into miles traveled.
 - Airline emissions may change footprint, how to talk about that and explain it to various audiences?
 - Could add as a baseline to previous years to show that it hadn't been available before but was still going on.
 - Airline numbers only pcard purchases and does not reflect reimbursements, but reimbursements should be a small number
 - **Will come back in October with draft of report for ETF to look at before submitting**
- Plans to update the Climate Action Plan? Needs to be discussed.
 - Will have to do a progress report in 2014 of how it's being met
 - 2020 is date for RECs to expire on EcoLine; might be looked at in 2015
 - Selling recs to have money for other projects to get us to 50% when recs do not get sold.
- Report with GHG Inventory
 - Have a lot of options for report as communications tool.
 - Last time, Tom Kelly wrote letter and sent to key members in the state/field of sustainability.
 - Who is target audience?
 - Anyone can use it, classes, other universities, PCC, etc
 - Easy way for general public to read and understand what our carbon footprint is.
 - Idea: Adding more information to relay that UNH is on the cutting edge and helped develop the very tool that is used for the inventory.
 - **General agreement that we should use the same template as the last report and go from there.**

STARS update (see attached slides)

- Includes GHG inventory in one place
- UNH received Gold rating last Aug.
- Other organizations use reporting from STARS for ratings of schools, (Sierra, Princeton Review, etc.)
- Asked schools (UNH) what kinds of questions should be asked to rate schools and push them forward in Sustainability?
- 3 broad areas of STARS

- Education and Research
 - Co-curricular,
- Operations
 - Buildings, climate, dining, energy, transportation, waste, water
- Administration, planning, Engagement
 - Coordination/Planning, diversity and affordability, Human resources, investment, public engagement.
- Challenge with Education: No one place that captures all the courses taught, what semester how many students participated, and what research. Involves meeting w/ different departments
- Timeline:
 - STARS – Aug 2011 – Gold, Winter 2013 STARS 2.0 released Aug 2014 Platinum?
 - Princeton Review – Every Feb.
 - Sierra Club – June
 - PCC – Jan 2013 GHG inventory, Jan 2014 wildcap
- 364 campuses participate in STARS – across N. America, Mostly US.
- UNH Best in planning, admin/engagement, worst in Operations.
- Strong areas:
 - Fac/staff involvement
 - Research/related curriculum
 - Operations BP's in dining, energy, transportation
 - Outreach/communication
 - Diversity/inclusive excellence
 - Engagement w/ policymakers
- Point gaps:
 - Students graduating with programs/classes
 - EcoG and other programs were/are too new
 - Student Community Service
 - Can't track
 - Investment
 - Only thing we do is make info public but don't have other efforts for divestment etc.
 - Already having discussions wit UNH Foundation about implementing sustainable best practices – new motivated leadership
 - Water Consumption
 - Student Peer 2 Peer
 - only get points if students are selected and paid, we only have volunteer programs
 - Lose points for no URL
 - Meaning for specific departments and their sustainable practices
 - No formal policy/plan in place – lose points
 - Need better responses from faculty about education and research

- PCards – no way of tracking recycled paper purchases and anything else that might help
- Discrepancy between STARS system and our system of energy in buildings, does not account for our combined systems in buildings.
- Could have more alt. fuel vehicles in fleet overall
- Too many employees drive to work alone
- Water consumption has gone up on campus – reason: More buildings with more A/C but we’re also implementing a lot of low flow systems, so water is overall lower than what it could be.
- Student Literacy Assessment – get more points, how could we do that?
- Other Schools
 - Portland State – Sustainability learning outcomes for ALL students

Updates on EEF Projects:

- Additional 1 time allotment of \$400,000 – was a back up efficiency fund
- Will be used for projects after current projects are done
- Gives around \$650,000 for FY13 projects
- Have some samples and if they are a success may bring them to larger scale
- To date: lighting project and insulation of steam piping – demand control ventilation in Kingsbury for lab spaces
- Updated equipment in CoGen plant
- Vacuum pump in Kingsbury – saves both energy and water, only taking credit for energy savings, water may help out in Stars.
- PO’s already cut
- Last year discussed solar air preheating system – starting now/in next few months
- Upgrades for Gregg Hall and Dairy Nutrition Center – NH Pay for Performance – funded through REGI
- Projects are a test to see how it works but should give savings
- Getting half of Gregg Hall in incentive payments, should be about a 3yr payback period
- Rudman and Morse are targeting for next two buildings for big projects
 - Should be good timing for WildCAP update next year
- Is revolving info online?
 - We’re charter member of Billion Dollar Challenge
 - New Software program of accounting/tracking for members
 - People can have different read only access
 - Sara adding Revolving fund info page on UNHSI website
 - Matt giving her language from a separate document he’s writing
- Saved > \$250,000 – saving more than we’re putting in.
- Expanding Natural Gas service on campus
 - New student housing by Goss
 - Expanding gas line down passed wind tunnel

- Could potentially get rid of oil and propane
- Potential to be an EEF project which would eat up funding fast, discussion topic as to whether that should go forward

Goals for the Year

- Single Stream recycling goes campus wide in January
 - *ETF and Stewards will be go-to folks in buildings (and student Environmental Advocates's)
 - SSR – Agenda item for October to decide what PR should be
- Research Computing
- Larger push on mobile platforms
- Last Year's mobile app
 - Moving towards a mobile website system instead
 - Ready for a fall PR Push
- Vincent has been working on Energy website for meters
- Beginning of implementing new set point policy
 - How do we unroll new set points everywhere else

- Next Month: updates from Steve on Transportation, Clean Fleet

- Tat Fu: Trying to send packets out to Portsmouth residents notifying them of added buses to Portsmouth Routes—this could relate to the mobile web system

- Mike – IT energy efficiency—interested in seeing how the ETF could work on this
 - Researching best practices and writing best practices for UNH as an option below policy
 - RCM – how to get energy out of RCM
 - Showing usage and what a bill would be if the building/department was charged for it. Incentive to change.

Next Steps

- Times/Days for meeting times
 - Most available 1st Thursday of month 9-10:30AM
 - Oct 4, Nov 1, Dec 6
- Next Month: updates from Steve on Transportation, Clean Fleet