

Energy Task Force Meeting

James Hall, February 7th, 9a.m. – 10:30 a.m.

Participants

Paul Chamberlain, Jim Dombroske, El Farrell, Robert Fortin, Jackie Furlone, Tat Fu, Filson Glanz, Tom Kelly, Matt O'Keefe, Lisa Pollard, Cameron Wake, Mike Welch, Andrew Wells

Meeting Agenda

Sustainable Events recommendations

Join task force meeting in the spring? All for Task forces, hear updates, brainstorm ideas for upcoming year

Next steps

Adjourn

Next Steps

- All: provide any additional feedback to Steve Pesci on the vehicle calculator
- All: Consider whether or not ETF should issue a statement re divestment
- Cameron, Tom, and Tat meet to explore course ideas related to ETF

Discussion

- Wildcap
 - Sara and Lou putting together new report for GHG
 - Wildcap on paper, goals same but how we get there is very different
 - Biggest change is component dedicated to projects and how we'll reduce our emissions
 - Section devoted to transportation/emissions
 - Project list in original has different things associated with categories as well as policy initiatives
 - Cam's students made more updated list in fall
 - Still looking at it to define what should be kept, what to do going forward
 - Next two years initiatives will be through efficiency fund
 - ETF should look at goals to achieve
 - Should they be looser goals or specific projects to achieve
 - One was a 10kw wind turbine

- Continue to look at something like that? “potential wind energy” sans specifics of size
 - Another 50kw solar panels
 - Again, target less specific solar project and look at what and where it could be?
 - As energy savings are quantified, can get it out to group for weigh-in
 - Chilled water distribution
 - Chiller nodes serving A/C needs in many buildings
 - Mills, Huddleston, Holloway, James, demerit Dimond Murkland T Hall (from three different systems)
 - More efficient that way than different A/C units
 - Still significant energy use
 - Not as obvious as wind turbine but may have better pay back of those systems are running as efficiently as possible
 - Should use group to brainstorm ideas that haven’t been thought of before
 - Technology changes and other differences since last time, what do we want to do now given those differences
 - Course next fall, possibly taught by Tat Fu
 - Groups of students to really analyze projects being considered
 - Specific analysis of costs, paybacks
 - Class or component of class related to calculator would be great
 - Very intricate work, great knowledge for students to know
 - Great to get messages out there about less obvious options for energy/emissions savings
 - Dual major calls for this kind of course
 - Two classes already exist that are related in engineering that Tat Fu knows of
 - Students could analyze airline travel
 - Especially with many options of video conferencing, what’s potential savings
 - Senior projects also an options, different timeline (sept-May) but could have cross-collaboration of students in different majors
 - Cam, Tom, Tat Fu exploring ideas separately
 - Will report back and can/will pull in ETF members
 - Need to keep checking ourselves on decisions to use/not use certain technologies
 - Constant changes
- Joint meeting of TF Chairs
 - What can be done to influence campus
 - Targeting campus events, big ones on campus, commencement, homecoming and others

- Is our sustainability culture reflected in the way events are conducted, planned etc.
- What's messaging about events? Waste, traffic, analyzing all aspects
- Need data collection first
 - Literature
 - Messaging from organizers
 - Asking depts. about food, trash, recycling at their smaller events for commencement
 - Traffic, cuing of vehicles as they wait for parking
- Cam – sporting events that have outside organizations that work to make it a zero-waste events
 - Good examples of best practices
- Matt: speaker on Green Revolving fund at conference this spring
 - UNH getting a lot of good press about our revolving fund
 - Published article in APA magazine, facilities audience, came out last month
- Alternative Fleet project
 - Major upgrade of vehicle fleet calculator
 - Tax credit is retroactive this year
 - 45% of transit are alt. fuel
 - non-transit more like 5%
 - pushing for alternative CNG vehicles
 - Need centralized system, currently very decentralized
 - Funding for car purchase vs. funding for fuel – disconnect
 - Lisa
 - Disconnect makes it harder to recommend or suggest alternatives
 - State has clean fleet policy on website
 - Specifications for alt fuel vehicle consideration
 - Passenger vehicle mpg minimums
 - Anti-idling policy
 - Departments have to submit requests for full year
 - If expectations are already out there, will help purchasing dept.
 - List of requirements to consider before car purchase even happens
 - Website for vehicle purchases
 - Lays out policy
 - Numbers on campus, fuel usage, costs etc.
 - Give people the big picture of campus
 - Holding our own, not demonstrating best practices
 - Not favored for grant money for alt. fuel vehicles
 - Open to suggestions about calculator
 - What are next steps to move ideas forward

- Guidelines to start
- Find a home for them – website
 - Find home for website and other epts.. Link to it
- Should have a multi-year outlook, next 3 years
 - Long wait on certain vehicles esp CNG's
 - Not conducive to epts.. That need a vehicle soon because of breakdown
 - Could there be a loaner program for those gaps
 - A lot of vehicles currently rented from Enterprise
- Make CNG default for purchase
- Could internal pool of funds for energy efficient vehicle purchase
 - If you buy above benchmark vehicle, get a refund
 - Possibly initiating a carbon tax on higher emission vehicles
- Vehicles by numbers
 - Have about 600 total, 50-60 replaced each year
- More effective to take to business officers instead of administration
 - Show them the savings and numbers
 - Go to them for input on policy and share data with them
- Does UNH have an idling policy?
 - Never formal, were casually following state policy and had a campaign
 - A lot of anecdotal evidence of vehicles idling for long periods of time
- Electrics
 - Would have to limit it to night charging only
 - Great for parking enforcement and other specific niche groups on campus
- Postponed ETF/TPC
 - Outlining clear objectives for meeting
 - TPC doesn't deal with vehicles/fleet procurement
 - Need a different direction
- Commissioner of DES coming to speak on March 19th hosted by Engineering students
- Divestment
 - Net Impact and SEAC both taking different angles
 - Met with President Huddleston et al and submitted their proposal last week, no direct response yet
 - Foundation is developing a socially responsible fund option for new donors
 - Should ETF take a stance on this? Will be a long-term process
 - Different thinking: donors want to maximize return, donors say they want to invest in right kinds of funds
 - ETF statement on issue
- Matt: Projects update on EEF
 - 11 total

- new software program, working with sustainable endowment institute
- will be accounting system to track savings
- one of first universities to use it, has some kinks
 - adding in savings as cost, showing it as much longer return than reality
- Saved more than put in, outperforming currently
- Going forward
 - 2 retrocommissioning projects in labs, drastic reduction in heating/cooling
 - payback is one year or less
 - may be saving more than can afford to put into fund
 - working on how to keep EEI funded and capture as many cost savings as possible
- accounting/budget
 - EcoLine funding, total collection has to increase by 4% per year
 - Saving energy that falls under units in EcoLine budget, but can't take it from there
 - One bucket is large and can't touch, smaller bucket
- Tat Fu updates on twittering project for building temperatures
 - Logo options – Second logo better
 - Managing expectations
 - Explanation diagram on facebook page
 - Facilities control center in works for information for anyone on campus
 - Rewording of facebook diagram to: “analysis of data to improve comfort issues”
 - Beta launch after spring break, next energy meeting will have info ready to present
- Transit update
 - Feb 18th has new Rochester Line
 - Weekday service, gets early in the morning and runs through seven pm at night
 - 7 round trips
 - Real-time transit service rolling out later in spring
 - Installing screens in five of bus stops
 - Gps is for campus shuttle also
 - In 2 weeks will hit half a million passengers for Amtrak use from Durham station
- Purchasing
 - Conway numbers: saved \$29,000 in energy per year since 2011
 - Dropped energy use by 56% on new printing
 - Saved 941 trees by double-siding
 - Campus Journal reported Dollar numbers