

Energy Task Force

Morse 401, October 4th, 10-11:30 a.m.

Participants

Megan Barry, Paul Chamberlain, El Farrell, Jackie Furlone, Tat Fu, Filson Glanz, Tom Kelly, Matt O'Keefe, Lisa Pollard, Steve Pesci, Beth Potier

Meeting Agenda

Welcome/introductions

Update on ACUPCC and President Huddleston Participation: Tom Kelly

Update on Transportation: Steve Pesci

Mobile platform and related communications: Matt O'Keefe

Communication plan for single stream recycling: Paul Chamberlain

Student Updates: Jackie Furlone and students

Wrap up/Next Steps

Adjourn

Discussion

ACUPCC

- Huddleston on national steering committee
- The steering committee is going through change over after first generation
- Good way for us to project ourselves on national stage more, ETF willing/eager to give him talking points, information etc. that he needs to know.
- Highlight our real changes on campus vs. buy in programs like others
- Share pragmatism and cost savings of UNH programs

- Matt – have heard many places want to say they have onsite generation but they can't, forced into a REC program
 - Don't want to be too harsh with our statements, come off as “better than you, doing it the RIGHT way” etc.
- Paul – Net Zero discussion – buildings can have difficulty, roof space, PV,
- Next step would be a new project, have looked at biomass out by Thompson but still has a lot of drawbacks/issues
- Matt attending local tour of biomass and other options hosted by Coop Extension
- Wildcap update – should revisit everything, push new ideas.
- Need to make sure details of ETF's efforts, Energy programs etc. are reaching Huddleston
 - Set up a meeting to give him a briefing
- Matt invited to attend Billion Dollar Challenge presentation to colleges/hospitals etc. about revolving funds.
 - On campus in a couple of weeks
 - Full Day event, Holloway
 - Huddleston attend and say a couple of words
 - Asking Sara for the date
- Beth Potier can use revolving fund event for Campus Journal/UNH Today

TPC

- Issue with funds
 - Savings experienced out in a distributed way
 - Success in selling fewer permits, tickets etc. is now becoming financial issue for Wildcat Transit
 - Reducing emissions, improve walkability, quality of life (\$\$ savings)
 - 405 class project – looking at other options for accounting so that policy works financially
 - Build into “tax structure” of university so it's distributed evenly
 - Still in faculty contract
 - To manage a parking spot = \$200 so the staff/faculty price is losing money for Transportation
- Permeable services, the way to go but much more expensive, (4x cost per sq. ft.)
- Chair meeting goal to bring together everyone's goals vs. problems and how to move them in the same direction
 - i.e. what is one person's budget problem is a solution for ecosystem
- Wildcat Transit has grown
 - See in survey more students choosing transit route, ridership going up
- Parking permit sales down over last six years, started pre-recession.
 - Students dramatic drop
- UNH saw a lot of growth because of Capstone
- Increased bike rack capacity this summer by 8-9%

- Mopeds, designated spots, less mopeds in bike/pedestrian
- Have \$40,000 grant (fed transit) to work on a structure outside of Morse Hall
- University Fleet
 - Trends not as great but dramatic increase in natural gas use
 - New CNG busses last year, total consumption going up, transportation 45-50%
 - Fleet is growing a little bit
- Non-transit side, not aggressively going to all fuels
 - Incremental cost of alt. fuel CNG vehicle vs. standard
 - No longer have access to funds that subsidized cost
 - 5-10 year payback
 - departments are not happy with 40% upfront cost differential
 - also have a wait period
 - struggle with long term procurement. Typical to be told “need 10 vehicles, need them now” and hit road blocks
 - Question – if we got 100% compliance – how much of a subsidy would that be?
 - Biggest chunk = vans, up to 90
 - Between 10 and 20 new vans per year on campus
 - Incremental cost difference = \$200,000 additional cost (total)
 - Could revolving fund recapture any funds put towards CNG?
 - Accounting system would have to have fuel savings paid back into fund as premium
 - Purchasing has lost control over being able to ask a dept “do you really need “x” “ and does not show them CNG options, payback etc. anymore
- Shift in procurement has become an issue
 - Between purchasing and transportation
 - Decided it should all be in one place
- Any grant program to use Energy fund model?
 - Fuel premium will be fund to subsidize costs
 - No mechanism/parallel, been discussed conceptually
- Many times it’s not about CNG fueled
 - Menu of suggested vehicles that are more efficient
 - Still have an issue of “right-sizing”
 - Many vehicles purchased can carry 4-5 ppl but only have 1.5 average use.
- Fleet manager is huge supporter
 - issue is time to put into explaining life cycle costs, side by side comparisons as was done in the past.
- TPC - Draft grant proposal and ideas to bring
 - Clean Fleet advisor will be able to tell departments what policy is
 - Use EEF model as template

- Need to present a description and successful proposal
- Need to go in prepared, showing successes, asking to be complicit with Clean Fleet Adv. Authority
- Other campuses run fleets in this way
- Need to capture all the numbers
- Spending .75 million on fuel, 350-375,000 a year on fleet fuel cost
 - # doesn't include insurance and other costs.
 - Get total mileage and apply standard cost/mile (easier)
- Target December, coincide with 405 class, or meet during J Term or beginning of semester
- Student research
 - Survey to dept. managers of car use
- Option to look into devices that track vehicles, use, location, idling etc.
- Grant opportunities elsewhere than DES/DOT?
- Need to prove that it will be a self-sustaining fund
- Pooled vehicles, leasing vs. ownership, sharing vs. ownership.
- Vague description right now about requirements for a car
 - Too easy to manipulate right now to just get car of choice
- Could Save money by having an on campus fleet, bigger vehicles that only need to be used periodically and smaller
- Having Steve at Town meetings is good for community, transferring interesting information.
- Real time app will be in place in beta form by end of next semester
- New service on route 4 – every hour
 - 5 year 100% incremental cost – little bay bridge project
- Rochester will hopefully start next fall.
 - US route 4 served going to Lee by next fall
- Matt- Mobile App/Energy Metering
 - Site almost up and running, mobile platform possibility
 - Students can hopefully use tools to monitor in energy challenge next month
- Jackie: Students
 - EAs:
 - 24 EA positions, not all buildings covered yet
 - 1 meeting to date, supplying materials/activities for first semester, Trash 2 Treasure tips until they are confident in doing it themselves
 - Energy challenge Oct. 24th-Nov.21st, meeting Oct. 18th
 - Sustainability Alliance:
 - Weekly column in TNH, different themes, ways to increase readership?

- Plug mobile apps in upcoming article!
- Stewards
 - Worth continuing to devote same level of effort? Maybe decrease meeting frequency
 - Less responsibility, “lunch and learn” about sustainability initiatives, hour discussions with researchers, monthly newsletters, agenda rather than open forum
- SEAC/Net Impact divestment campaign
 - Met with administration, foundation as separate autonomous entity
 - sustainability as core value of UNH
- Miscellaneous
 - Tat Fu’s class project: Tweeting temperature discomfort, expand to more students/faculty/staff, include in TNH article?
 - Updating GHGE posters before the challenge
 - Advertising the mobile platform

Next Steps

Work on scheduling meeting w/ Mark Huddleston on revolving fund & Wildcap

Tom, Matt, Paul

Matt sending dates of Billion Dollar Challenge day (coming up in a couple of weeks)

ETF/TPC meeting should be scheduled in January

Matt will look into RGGI and see if there are any transportation restrictions

Looking into other firms/orgs that have transportation grants

TPC/ETF Meeting: Scheduling a meeting for JTerm, or beginning of next semester

Mobile Platform: TNH Article around the time of launch. Jackie following up with Matt/Vincent

Information on the LEEF Workshop coming up on October 24th:

We cordially invite you to attend the **New Hampshire Leaders in Energy Efficiency Financing (LEEF) Workshop** on Wednesday October 24 from 10am - 2:30pm at the University of New Hampshire. The session will be held in the

Sustainability Institute
UNIVERSITY of NEW HAMPSHIRE

Squamscott room of Holloway Commons at 75 Main Street in Durham, NH. This half-day gathering will bring together, by invitation only, cross-sector leaders in sustainability from colleges, healthcare institutions, municipalities, and other nonprofits throughout New Hampshire.

The workshop's theme is *Investing in Energy Efficiency*; the focus is on using green revolving funds as leverage for reducing greenhouse gas emissions while demonstrating the groundbreaking budget benefits of investing in energy efficiency projects. The full agenda is posted

at <http://greenbillion.org/LEEF>

The metrics recently compiled are impressive: A median annual return on investment of 32 percent for green revolving funds was documented by *Greening The Bottom Line*, a report published by the Sustainable Endowments Institute in 2011. A bright spot in a rocky economy, these profitable investments are lowering operating costs and carbon footprints on campus, while helping create green jobs in surrounding communities.

Thanks to the generous support of The John Merck Fund, there is no registration fee and lunch will be provided. Please register for the workshop [here](#). This is an invitation-only event, but as an invitee, please feel free to designate other representatives from your institution to attend. **The registration deadline is October 17th.**

If you have any questions about this **LEEF Workshop**, please visit GreenBillion.org or contact us at LEEF@greenbillion.org. We look forward to seeing you in Durham on October 24th!

Sincerely,
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