

Energy Task Force

Morse 301 Nov 1st, 9-10:30 a.m.

Participants

Megan Barry, Paul Chamberlain, Sara Cleaves, El Farrell, Jackie Furlone, Tat Fu, Filson Glans, Matt O'Keefe, Lisa Pollard, Beth Potier, Ben Trolio, Cameron Wake, Andrew Wells, Michael Welch

Meeting Agenda

Welcome and Introductions

Update on GHG Emissions report and Discussio: Sara and Lou

Student project presentation: Tat Fu & Andrew Wells

WildCAP project update: Matt

Updates:

405: Cameron

Students: Jackie

Wrap up/next steps

Adjourn

Discussion

GHG Emissions update:

- Copies handed out of public, short report done
- Longer technical report done by January
 - Notable: where emissions are coming from on page three
 - Commuting and air travel are significant portion of UNH footprint
 - \$2 million in airline travel
 - air travel is new data which makes it seem as though we've increased a lot

- How should this be discussed in the report?
 - Extrapolate back, explain why
 - Doubts that travel has actually doubled
 - Treat as “trying to do our best”
- CACP emission factor estimate is \$.15 spent = 1mi of air travel
- Pcard issue of not having information for air travel purchased
- Pcard issue vs. budget office information
- Pcard information more accurate, FY'10 data therefore creates discrepancy
- How %s and carbon footprint calculated?
 - Carbon Calculator from CACP is used
- Has rising prices of airfare affected our emissions factor? Was it normalized for price?
 - Sense of who else is doing air travel?
 - Can find out, had to commit through PCC
 - Previously all campuses were having issue tracking, we finally figured out how to track via Pcards
- Scope 3 emissions: we're counting emissions created through Ecoline process, many schools are counting same emissions
- Because we're selling REC's and can't claim renewable energy, have to be very careful in calculations and descriptions in GHG report to make sure we're not seemingly claiming credits.
- Can claim credit for heat because we're not selling credits, can't claim for electricity
 - We've made significant reductions in purchased electricity and fuel use
 - With this emissions have reduced
 - Makes travel become a bigger percentage of larger total
- Better use of thermal energy year-round
 - Thermal component of landfill gas
 - Heat/steam only: can claim renewable energy component
 - Installing steam absorption chiller for cooling
 - Using heat energy to create cooling instead of using more electricity for A/C
 - This system being put in Peter Paul school
- Context – can this address better the urgency of climate change? Create a context in the language?
 - President's climate commitment mentioned, for more: link
 - Keep it more as a technical piece to narrative
- ETF is advisory committee that “owns” this GHG report
 - Note to why so much time is spent on this.
- Very few people on campus even know about GHG inventory
 - How to focus a marketing message internally to campus
 - HR outreach – AOP conference

- Release as a part of a next steps for involvement program
- Highlight some ideas of future projects that would tie in with each scope
- Event on campus – present report of how campus is doing
- Student forum – partner with a student event to present
- Events are tough because of past low attendance
- Better to have students organize something
- Student Senate?
- Spring: Climate Solution panel as answer to Climate Emergency Panel
 - “sustainability state of the university”

Student Outreach

- How to always be updating?
- Team up with other departments’ open houses
- Currently updating communications materials anyway to give out to departments, admissions, etc.

Tweeting comfort levels project

- Disconnect between energy office – people setting thermostats – people actually in rooms
- Started a twitter feed to communicate if a room is too hot/cold
- How to get that information up to someone that can make a difference/change?
- Pilot study last spring as extra credit project
 - 427 tweets in 2.5 months
 - Compared spike in tweets to spikes in outside temperatures
- Going forward from today and next semester
 - Launch into a campus-wide effort
 - Need more information
- Have a Facebook and twitter page
 - @unhbuildings and UNHbuildings (Twitter and Facebook)
- What could we do to get and keep people engaged?
 - Realistically, can’t be changed real time, should be used to see if something was not responding when it should have.
 - Want to get messaging that more tweets will not equal an immediate fix but will help prevent future problems.
 - Tying into Jay Boucher’s efforts to help boost social media
 - Article for Campus Journal and UNH Today
 - First message: want you to be comfortable, Second message: Saving money
 - Have to manage expectations – no changes for at least first year, data collection stage
- Do we want to focus on campus or just one area i.e. Kingsbury?

- Data collected for facilities is moving 72 hour window
 - Could try to correlate those two ways to track
 - Would be helpful to use, so far only worked with outside temps not inside
 - Would use Kingsbury because data is available, newer building
- Simultaneous efforts of temperature set point policy
 - How will that change the number of messages that come in?

WildCAP

- Need to put together an updated and perhaps entirely new document together
- EEF projects: great returns on projects prior to last year, but had some delays
- 2 under way
 - Gregg hall recommissioning building, lab ventilation requirement updates
 - have to condition for heating and A/C in one vent, will see substantial savings to pilot other buildings
 - Kingsbury south facing wall on attic will absorb solar energy and preheating are that goes into system, half project funded by state grant
- Upcoming
 - Rudman Hall – huge energy returns, updating systems
 - Morse Hall – older equipment, updates, better functioning, spring semester

Cameron Wake: 405

- Students looking at other schools who signed up for PCC
- Comparing what they're doing that we are not in our WildCAP
- Report back in December ETF, presentation in January/February

Next Steps

Read over GHG Emissions, send edits/comments back to Lou and Sara before thanksgiving to make deadline

Cam helping Sara with paragraph about PCC to add to GHG report

Making a broad-based plan agenda item for January ETF

UNHSI Bringing together group of people to gather talking points for Huddleston on sustainability and climate change

Updating WildCAP, GHG report will be guiding document for WildCAP update